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Bibliography

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Summary

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(57) [Abstract]

[Technical problem] It enables it to purchase a prepaid card in the place of a game machine.

[Means for Solution] The game base 5 which offers a pachinko game, and the prepaid card 45 used in relation to the game of the above-mentioned game base 5, The card holder 55 equipped with the card stowage 67 holding the above-mentioned prepaid card 45, The conveyance belt 65 which conveys the above-mentioned card holder 55, and the card vending machine 111 installed near the above-mentioned game base 5, The electrode-holder move mechanism 131 which moves the above-mentioned card holder 55 to the above-mentioned card vending machine 111 from the above-mentioned conveyance belt 65, It has the card unit 135 which takes out the above-mentioned prepaid card 45 from the card stowage 67 of the above-

mentioned card holder 55 moved to the above-mentioned card vending machine 111, and the recovery card storage shed 15 which contains the prepaid card 45 which has had the conveyance belt 65 top conveyed.

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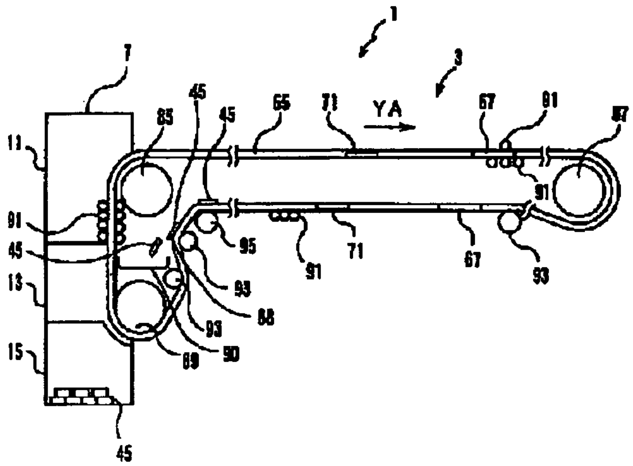

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CLAIMS

[Claim(s)]

[Claim 1] Carrier system of an amusement center characterized by for this recovery medium passing along the above-mentioned path, and being collected by the above-mentioned conveyance means when it has the following and a recovery medium is thrown into the above-mentioned entrance. The game machine which offers a game The conveyed medium used in relation to the game of the above-mentioned game machine A conveyance means to convey the above-mentioned conveyed medium the game engine run device installed near the above-mentioned game machine, and the above-mentioned conveyed medium -- the above-mentioned game engine run device from the above-mentioned conveyance means -- or the path which connects a conveyed medium move means move to the above-mentioned conveyance means from the above-mentioned game engine run device, the entrance prepared near the above-mentioned game machine, the above-mentioned entrance, and the above-mentioned conveyance means

[Claim 2] Carrier system of the amusement center according to claim 1 characterized by adding the move section which the above-mentioned recovery medium collected by the above-mentioned conveyance means moves from this conveyance means, and the storage shed in which the above-mentioned recovery medium which moved from the above-mentioned move section is held.

[Claim 3] Carrier system of the amusement center according to claim 2 carried out [having made the above-mentioned move section into the fall section in which the above-mentioned recovery medium collected by the above-mentioned conveyance means falls from this conveyance means, and having presupposed that the above-mentioned recovery medium which fell the above-mentioned storage shed from the above-mentioned fall section is held, and] as the feature.

[Claim 4] Carrier system of an amusement center given in any of the claim 1 characterized by the above-mentioned conveyance means being an endless-like conveyer, or a claim 3 they are.

[Claim 5] Carrier system of an amusement center given in any of the claim 1 characterized by the above-mentioned recovery medium being a card-like, or a claim 4 they are.

[Claim 6] Carrier system of an amusement center given in any of the claim 1 characterized by the above-mentioned conveyed medium having the shape of a bill or a card, or a claim 5 they are.

[Claim 7] It is supposed that the electrode holder equipped with the attaching part which holds the above-mentioned conveyed medium for the above-mentioned conveyance means is conveyed. The above-mentioned conveyed medium move means is made into an electrode-holder machine move means to move the above-mentioned electrode holder to the above-mentioned game engine run device from the above-mentioned conveyance means. Carrier system of an amusement center given in any of the claim 1 characterized by adding the medium extraction means which takes out the above-mentioned conveyed medium from the attaching part of the above-mentioned electrode holder which moved to the above-mentioned game engine run device, or a claim 6 they are.

[Claim 8] Carrier system of the amusement center according to claim 7 characterized by considering as a medium installation means to make the above-mentioned conveyed medium hold to the attaching part of the above-mentioned electrode holder which moved the above-mentioned medium extraction means to the above-mentioned game engine run device.

[Claim 9] The claim 7 characterized by making the above-mentioned electrode-holder machine move means into the above-mentioned conveyance means and a electrode-holder move means to move between the above-mentioned game engine run devices for the above-mentioned electrode holder, or carrier system of an amusement center according to claim 8.

[Claim 10] The conveyed medium of the 1st configuration used in relation to the game of the above-mentioned game machine in the above-mentioned conveyed medium, It is made the conveyed medium of the 2nd configuration. the above-mentioned conveyance means The conveyed medium of the 1st configuration of the above, It is supposed that the conveyed medium of the 2nd configuration is conveyed. the above-mentioned conveyed medium move means The conveyed medium of the 1st configuration of the above, or the conveyed medium of the 2nd configuration -- the above-mentioned game engine run device from the above-mentioned conveyance means -- or the carrier system of an amusement center given in any of the claim 1 characterized by supposing that it moves to the above-mentioned conveyance means from the above-mentioned game engine run device, or a claim 9 they are

[Claim 11] Carrier system of the amusement center according to claim 10 characterized by supposing that it has the 1st conveyance section which conveys the conveyed medium of the 1st configuration of the above for the above-mentioned conveyance means, and the 2nd conveyance section which conveys the conveyed medium of the 2nd configuration of the above.

[Claim 12] The claim 10 carried out [having considered as a 1st medium move means to move the conveyed medium of the 1st configuration of the above for the above-mentioned conveyed medium move means to the above-mentioned game engine run device from the above-mentioned conveyance means, and a 2nd medium move means to move the conveyed medium of the 2nd configuration of the above to the above-mentioned conveyance means from the above-mentioned game engine run device, and] as the feature, or carrier system of an amusement center according to claim 11.

[Claim 13] Carrier system of an amusement center given in any of the claim 10 characterized by adding a conveyed medium preparation means to newly prepare the conveyed medium of the 1st configuration of the above, and to make the above-mentioned conveyance means convey it, or a claim 12 they are.

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DETAILED DESCRIPTION

[Detailed Description of the Invention]
[0001]
[The technical field to which invention belongs] this invention relates to the carrier system of the amusement center equipped with the game machine.
[0002]
[Problem(s) to be Solved by the Invention] The prepaid card for a game machine performing a game conventionally is sold. This prepaid card is sold with the prepaid card vending machine, and is suitably purchased by the game person.
[0003] The prepaid card purchased by the game person becomes unnecessary after being used for a game. Then, in the amusement center, the recovery box for collecting the prepaid cards which became unnecessary is attached, and a salesclerk collecting the prepaid cards into which it was put in the recovery box, and turning around them is performed.
[0004] By the way, the prepaid cards of a recovery box are collected frequently, the place where it is made for a used prepaid card not to remain in a recovery box mostly is also in an amusement center, and the man day of recovery may have caused increase of a labor cost. Moreover, in using reusable prepaid cards, such as an IC card form, in order to lessen the introductory costs of a prepaid card, it is necessary to collect used prepaid cards as promptly as possible, and to use as a prepaid card again.
[0005] Then, while a recovery man day enables offer of promptly recoverable technology few, it aims at offer of the technology which can lessen the increase in a facility extremely.
[0006]
[A The means for solving a technical problem and an effect of the invention] As a means to solve the above-mentioned technical problem, the carrier system of the amusement center of invention of a claim 1 The game machine which offers a game, and the conveyed medium used in relation to the game of the above-mentioned game machine, A conveyance means to convey the above-mentioned conveyed medium, and the game engine run device installed near the above-mentioned game machine, The above-mentioned conveyed medium from the above-mentioned conveyance means to the above-mentioned game engine run device Or a conveyed medium move means to move to the above-mentioned conveyance means from the above-mentioned game engine run device, When you have the path which connects

the entrance prepared near the above-mentioned game machine, the above-mentioned entrance, and the above-mentioned conveyance means and a recovery medium is thrown into the above-mentioned entrance, let it be a summary for this recovery medium to pass along the above-mentioned path, and to be collected by the above-mentioned conveyance means.

[0007] If a recovery medium is thrown into the entrance installed near the game machine by this, it will be collected by the conveyance means through a path. On the other hand, the conveyance means which collected recovery media conveys the conveyed medium used in relation to the game of a game machine. moreover, a conveyed medium -- a conveyed medium move means -- the game engine run device from a conveyance means -- or it moves to a conveyance means from a game engine run device

[0008] Therefore, a conveyance means' conveyance of a conveyed medium conveys both recovery media. Consequently, only by throwing a recovery medium into the entrance near the game machine, a conveyance means is made to collect and it becomes possible to perform conveyance by the conveyance means. That is, the extremely excellent effect that it can become possible, without [of prompt recovery of a recovery medium] depending on recovery of a salesclerk, and they can attain together the reduction effect of a recovery man day and the effect which does not leave one but enables perfect recovery instancy is done so.

[0009] Since a conveyance means moreover performs conveyance of a conveyed medium and conveyance of a recovery medium also with both, a conveyance means is shared and the extremely excellent effect that the increase in equipment can be lessened and effects, such as curtailment of a ** space and part mark, can be acquired is done so. Moreover, the upper surface of a conveyance means is effectively utilized by laying a recovery medium on a conveyance means and, for example, collecting them.

[0010] The carrier system of the amusement center of invention of a claim 2 makes a summary carrier system of the amusement center according to claim 1 characterized by adding the move section which the above-mentioned recovery medium collected by the above-mentioned conveyance means moves from this conveyance means, and the storage shed in which the above-mentioned recovery medium which moved from the above-mentioned move section is held.

[0011] Thereby, it is collected by the conveyance means and the conveyed recovery medium moves to a storage shed from the move section. Consequently, it becomes possible to bring a recovery medium together in a stowage and to deal with it collectively, and the extremely excellent effect that the recovery man day of a recovery medium can be reduced is done so.

[0012] The carrier system of the amusement center according to claim 2 carried out [the carrier system of the amusement center of invention of a claim 3 having made the above-mentioned move section the fall section in which the above-mentioned recovery medium collected by the above-mentioned conveyance means falls from this conveyance means, and having carried out holding the above-mentioned recovery medium which fell the above-mentioned storage shed from the above-mentioned fall section, and] as the feature is carried out as a summary.

[0013] Thereby, it is collected by the conveyance means and the conveyed recovery medium falls from the fall section to a storage shed. Consequently, since it becomes possible to bring a recovery medium together in a stowage and to deal with it collectively, and the recovery man day of a recovery medium can be reduced and a recovery medium is moved by fall, a special equipment configuration which uses an electromotive force becomes unnecessary, and does so the extremely excellent effect of contributing to saving-resources-ization.

[0014] Moreover, for example, when it considers as the composition which lays on a conveyance means and collects recovery media, it becomes possible to mistake and to move a recovery medium certainly [there is nothing and], and receipt of the recovery medium by the fall section does the outstanding effect so. The carrier system of the amusement center of invention of a claim 4 makes a summary carrier system of an amusement center given in any of the claim 1 characterized by the above-mentioned conveyance means being an endless-like conveyer, or a claim 3 they are.

[0015] The recovery medium collected by this conveyance means can be conveyed by moving a conveyance means and conveying a conveyed medium by this, without managing a position individually. Therefore, toward the edge of a conveyance means, a recovery medium moves, are collected and are collected.

[0016] Consequently, without performing complicated position control, recovery in the edge of a game island is attained and does so the extremely excellent effect referred to as being able to attain the simplification of a facility, and reduction of a recovery man day together. Moreover, for example, by making it rotate an endless-like conveyer only in the one direction, toward the edge of the method of one of a conveyance means, a recovery medium moves promptly, are collected and are collected.

[0017] Consequently, without performing complicated position control, the recovery to the edge of the method of one of a game island is attained, and does so the extremely excellent effect referred to as being able to attain the simplification of a facility, and reduction of a recovery man day together. The carrier system of the amusement center of invention of a claim 5 makes a summary carrier system of an amusement center given in any of the claim 1 characterized by the above-mentioned recovery medium being a card-like, or a claim 4 they are.

[0018] Recycling of the card which the card-like recovery medium collected in the case of thrown-away type magnetic cards, such as paper and plastics, is attained. It becomes possible in reuses type [medium / recovery / card-like], such as a magnetic card and an IC card, to write amount-of-money information in the collected card-like recovery medium again, and to use as a prepaid card again.

[0019] The carrier system of the amusement center of invention of a claim 6 makes a summary carrier system of the claim 1 characterized by the above-mentioned conveyed medium having the shape of a bill or a card, or an amusement center according to claim 5. Thereby, it becomes possible to perform that the carrier system of an amusement center conveys the bill fed into game engine run devices, such as for example, a prepaid card vending machine, supplementing a prepaid card vending machine with a prepaid card, and collecting used prepaid cards with one conveyance means.

[0020] The carrier system of the amusement center of invention of a claim 7 presupposes that the electrode holder equipped with the attaching part which holds the above-mentioned conveyed medium for the above-mentioned conveyance means is conveyed. The above-mentioned conveyed medium move means is made into an electrode-holder machine move means to move the above-mentioned electrode holder to the above-mentioned game engine run device from the above-mentioned conveyance means. Let carrier system of an amusement center given in any of the claim 1 characterized by adding the medium extraction means which takes out the above-mentioned conveyed medium from the attaching part of the above-mentioned electrode holder which moved to the above-mentioned game engine run device, or a claim 6 they are be a summary.

[0021] Thereby, a conveyed medium is conveyed by the conveyance means in the state where it was held at the attaching part of a electrode holder, it is moved to a game engine run device, and a recovery medium is collected and conveyed by the conveyance means. Therefore, a prepaid card, a bill, etc. of valuables are protected by the electrode holder, even a game engine run device is conveyed, without losing or damaging, and the recovery medium whose value was almost lost by used is collected and conveyed by simple method which is laid on a conveyance means, without using excessive equipment etc.

[0022] Consequently, although conveyed, the extremely excellent effect that a conveyed medium and a recovery medium can be carried by the method equipped with the reliability according to value or safety is done so. The carrier system of the amusement center of invention of a claim 8 makes a summary carrier system of the amusement center according to claim 7 characterized by considering as a medium installation means to make the above-mentioned conveyed medium hold to the attaching part of the above-mentioned electrode holder which moved the above-mentioned medium extraction means to the above-mentioned game engine run device.

[0023] This puts in the bill inserted in game engine run devices, such as for example, a card vending machine, for the purchase of a prepaid card into a electrode holder, a conveyance means is henceforth enabled to convey, and it collects and conveys by the simple method that a used prepaid card is laid on a conveyance means.

[0024] Consequently, although conveyed, the extremely excellent effect that a conveyed medium and a recovery medium can be carried by the method equipped with the reliability according to value or safety is done so. The carrier system of the amusement center of invention of a claim 9 makes a summary carrier system of the claim 7 characterized by making the above-mentioned electrode-holder machine move means into the above-mentioned conveyance means and a electrode-holder move means to move between the above-mentioned game engine run devices for the above-mentioned electrode holder, or an amusement center according to claim 8.

[0025] Thereby, in the state where it was held at the attaching part of a electrode holder, it is moved to a game engine run device by the electrode-holder move means, or it is moved to a conveyance means from a game engine run device while a conveyance means conveys a conveyed medium. Moreover, a recovery medium is collected and conveyed by the conveyance means.

[0026] Therefore, without using excessive equipment etc., it is laid on a conveyance means and the recovery medium whose value a prepaid card, a bill, etc. of valuables are protected by the electrode holder, even a game engine run device is conveyed, without losing or damaging, or is thrown in from a game engine run device, and is conveyed with the conveyance means, and was almost lost by used is conveyed.

[0027] Consequently, although conveyed, the extremely excellent effect that a conveyed medium and a recovery medium can be carried by the method equipped with the reliability according to value or safety is done so. The carrier system of the amusement center of invention of a claim 10 The conveyed medium of the 1st configuration used in relation to the game of the above-mentioned game machine in the above-mentioned conveyed medium, It is made the conveyed medium of the 2nd configuration. the above-mentioned conveyance means The conveyed medium of the 1st configuration of the above, It is supposed that the conveyed medium of the 2nd configuration is conveyed. the above-mentioned conveyed medium move means The conveyed medium of the 1st configuration of the above, or the conveyed medium of the 2nd configuration -- the above-mentioned game engine run device from the above-mentioned conveyance means -- or let carrier system of an amusement center given in any of the claim 1 characterized by supposing that it moves to the above-mentioned conveyance means from the above-mentioned game engine run device, or a claim 9 they are be a summary

[0028] Thereby, a conveyance means can convey simultaneously all of the conveyed medium of the 1st configuration, the conveyed medium of the 2nd configuration, and a recovery medium. Therefore, without using excessive equipment etc., it is laid on a conveyance means and the recovery medium whose value even a game engine run device is conveyed, or the prepaid card of valuables and a bill are thrown in from a game engine run device, and are conveyed with the conveyance means, and was almost lost by used is conveyed.

[0029] This thing that conveys and that especially has value is conveyed by the method equipped with reliability or safety, and the extremely excellent effect that the recovery medium which rendered value can be carried simple is done so. The carrier system of the amusement center of invention of a claim 11 makes a summary carrier system of the amusement center according to claim 10 characterized by supposing that it has the 1st conveyance section which conveys the conveyed medium of the 1st configuration of the above for the above-mentioned conveyance means, and the 2nd conveyance section which conveys the conveyed medium of the 2nd configuration of the above.

[0030] Thereby, a conveyance means conveys the conveyed medium of the 1st configuration in the 1st conveyance section, conveys the conveyed medium of the 2nd configuration in the 2nd conveyance section, and collects and conveys a recovery medium with a conveyance means. Therefore, without using excessive equipment etc., it is laid on a conveyance means and the recovery medium whose value the prepaid card of valuables and a bill are conveyed in the portion of exclusive use of even a game engine run device, or are thrown in from a game engine run device, and is conveyed in the portion of exclusive use of a conveyance means, and was almost lost by used is conveyed.

[0031] This thing that conveys and that especially has value is conveyed by the method equipped with reliability or safety, and the extremely excellent effect that the recovery medium which rendered value can be carried simple is done so. The carrier system of the amusement center of invention of a claim 12 carries out the carrier system of the claim 10 carry out having carried out as a 1st medium move means move the conveyed medium of the 1st configuration of the above for the above-mentioned conveyed medium move means to the above-mentioned game engine run device from the above-mentioned conveyance means, and a 2nd medium move means move the conveyed medium of the 2nd configuration of the above from the above-mentioned game engine run device to the above-mentioned conveyance means as the feature, or an amusement center according to claim 11 as a summary

[0032] Thereby, a conveyance means conveys the conveyed medium of the 1st configuration in the 1st conveyance section, even a game engine run device moves with the 1st medium move means, and moves the conveyed medium of the 2nd configuration to the 2nd conveyance section with the 2nd medium move means, conveys it in this 2nd conveyance section, and collects and conveys a recovery medium with a conveyance means.

[0033] Therefore, without using excessive equipment etc., it is laid on a conveyance means and the recovery medium whose value the bill which the prepaid card of valuables was conveyed in the portion of exclusive use of even a game engine run device, or was thrown in from the game engine run device is conveyed in the portion of exclusive use, and was almost lost by used is conveyed.

[0034] This thing that conveys and that especially has value is conveyed by the method equipped with reliability or safety, and the extremely excellent effect that the recovery medium which rendered value can be carried simple is done so. The carrier system of the amusement center of invention of a claim 13 newly prepares the conveyed medium of the 1st configuration of the above, and makes a summary carrier system of an amusement center given in any of the claim 10 characterized by adding the conveyed medium preparation means which the above-mentioned conveyance means is made to convey, or a claim 12 they are.

[0035] By this, a conveyed medium preparation means prepares a conveyed medium, a conveyance means is made to convey, and even a game engine run device is conveyed. Moreover, the recovery medium used by the game engine run device is recovered by the conveyance means. Consequently, the extremely excellent effect referred to as that a series of carrier system referred to as a game engine run device being carried after a conveyed medium is newly supplied to a conveyance means, and the recovery medium which will be collected by becoming used after that being again laid, for example on a conveyance means, being carried, and being collected is constituted is done so.

[0036]

[Embodiments of the Invention] Next, the gestalt of implementation of invention is explained. The front view of the game base 5 where the general drawing of the game island 3 in which drawing 1 installed the card selling system 1 of the gestalt of operation of this invention, and drawing 2 were attached in the game island 3, and drawing 3 are [explanatory drawing of the conveyance path of the card selling system 1 and drawing 5 of the plan of the card selling system 1 around the game base 5 and a conveyance belt and drawing 4] the block diagrams of the control system of the card selling system 1.

[0037] As the game island 3 in which the card selling system 1 is installed is shown in drawing 1 , 30 game bases 5 of Y0-Y29 are attached. the card supply unit 7 installs in one edge of the game island 3 -- having -- the other end -- a game sphere -- counting -- the unit 9 is installed The card supply unit 7 consists of a card issue machine 11, a bill storing safe 13, and a recovery card storage shed 15.

[0038] Drawing 6 is the block diagram of the card issue machine 11. The card issue machine 11 is the best stage of the card supply unit 7, and is laid in the upper part of the bill storing safe 13 so that it may be easy to carry out the direct control of the game person. The card issue machine 11 is equipped with the issue machine control unit 27 which consists of the microcomputer unit 21 equipped with CPU, ROM, RAM, etc., an input/output interface 23, an output interface 25, and a communication interface 26, the card selection unit 31, the issue record storage unit 33, the card stocker 35, the card generation unit 37, the card move unit 39, and the cash acceptance unit 41 as shown in drawing 6 . The card stocker 35 contains the blank card 43 with which the information about the amount of money is not written in in large quantities. The card generation unit 37 writes amount-of-money information in a blank card 43, and generates a prepaid card 45. In addition, as long as it is possible to store prepaid information, such as a punched card, a magnetic punched card, a magnetic plastics card, or an IC card, what thing is sufficient as a blank card 43, the one-way card which can be used once is sufficient as it, and it is used repeatedly any number of times. Moreover, it opts for the composition of the card generation unit 37 according to a blank card 43. Here, a blank card 43 is a magnetic plastics card in which repeat use is possible, and the card generation unit

37 is magnetic data write-in equipment.

[0039] The microcomputer unit 21 of the issue machine control unit 27 performs data processing which is mentioned later based on the data inputted from the input/output interface 23, and controls it to mention later the various devices connected to the input/output interface 23 and the output interface 25.

[0040] The card selection unit 31 connected to the input/output interface 23 is equipped with three pushbutton switches 47 with a display function. The pushbutton switch 47 with a display function is self-**(ed), while outputting a manipulate signal SS to an input/output interface 23, if operated by the game person etc. The pushbutton switch 47 with a display function which would be in self-****** holds self-****** until it inputs reset-signal RS from an input/output interface 23. That is, the pushed pushbutton switch 47 with a display function indicates pushed until it is reset by the issue machine control unit 27.

[0041] The card selection unit 31 of the above-mentioned composition is used for the purpose which chooses the prepaid card 45 of the amount of money with which a game person wishs purchase. The card conveyance mechanism 49 is arranged between the card stocker 35 and the card generation unit 37. Based on the card supply signal KKS from an input/output interface 23, the card conveyance mechanism 49 picks out one blank card 43 from the card stocker 35, and supplies it to the card generation unit 37.

[0042] The card generation unit 37 which received supply of a blank card 43 sends out the generated prepaid card 45 to the card conveyance mechanism 51 or 53 after generating a prepaid card 45 based on the card feed signal KOS based on the card generation signal KSS from an input/output interface 23.

[0043] Based on the card-set signal KTS from an input/output interface 23, the card conveyance mechanism 51 in which a prepaid card 45 is received inserts a prepaid card 45 in a card holder 55, and has the function to send the card holder 55 by which the prepaid card 45 was contained to the card move unit 39.

[0044] Moreover, the card conveyance mechanism 53 in which a prepaid card 45 is received is discharged based on the card eccrisis signal KHS from an input/output interface 23 to the card exhaust port 57 which shows a prepaid card 45 to drawing 1 (B) and drawing 6 . Thereby, it enables a game person to receive a prepaid card 45 from the card issue machine 11.

[0045] The cash acceptance unit 41 outputs the amount-of-money signal GKS which shows the amount of money of the bill 61 thrown in from the cash input port 59 shown in drawing 1 (B) and drawing 6 to an input/output interface 23. Via the bill path 63, the thrown-in bill 61 is sent to the bill storing safe 13, and is stored in the bill storing safe 13.

[0046] The above card selection unit 31, cash acceptance unit 41, and card generation unit 37 enable a game person to purchase a prepaid card 45 with the direct bill 61 from the card issue machine 11. The card move unit 39 which, on the other hand, received the card holder 55 which contained the prepaid card 45 has the mechanism made to insert in the card stowage 67 of the conveyance belt 65 based on the electrode-holder receipt signal HSS from the output interface 25. Explanation of the detailed structure of this mechanism is omitted.

[0047] The issue record storage unit 33 records the number of issue of a prepaid card 45 for every sales amount. The bill storing safe 13 located in the lower part of the card issue machine 11 is equipped with the bill move unit 69. First, the bill move unit 69 takes out the bill electrode holder 73 from the bill stowage 71 of the conveyance belt 65, subsequently takes out a bill 61 from this taken-out bill electrode holder 73, and performs processing stored in the bill storing safe 13 with the safe control unit 83.

[0048] In order to perform this processing, the safe control unit 83 outputs the control signal to the bill move unit 69 via the output interface 79 while it is equipped with the microcomputer unit 75 equipped with CPU, ROM, RAM, etc., the input interface 77, the output interface 79, and a communication interface 81 and inputs information through the input interface 77 from the bill move unit 69.

[0049] As the conveyance belt 65 which sends the card stowage 67 and the bill stowage 71 into the card issue machine 11 and the bill storing safe 13 as mentioned above is shown at drawing 4 , it is installed in the shape of endless among the ends of the game island 3, an outward trip is an upper position, and a return trip is a lower position. An outward trip is moved in the arrow YA direction by three drive pulleys 85, 87, and 89, and, as for the conveyance belt 65, a return trip is moved in the anti-arrow YA direction. These drive pulleys 85, 87, and 89 are driven with the drive motors 97, 98, and 99 shown in drawing 5 .

[0050] The conveyance belt 65 driven with the drive pulleys 85, 87, and 89 is pinched with the small roller 91 of a predetermined number attached free [rotation], the inside roller 93, and the large roller 95, as shown in drawing 4 . These smallness roller 91, the inside roller 93, and the large roller 95 are suitably installed in the part which needs a required number by design.

[0051] The fall section 88 is constituted by the termination of the return trip of the conveyance belt 65. As shown in drawing 4 , the fall section 88 is a portion at which the conveyance belt 65 has turned across the gravity direction, and is a portion which the prepaid card 45 after the use laid so that it may mention later on the conveyance belt 65 leaves the conveyance belt 65 top, and came to fall. Here, the recovery card receipt way 90 is installed in the position from which the prepaid card 45 which fell falls. The recovery card receipt way 90 is connected by the ramp which is not illustrated to the recovery card storage shed 15. In addition, when a prepaid card 45 is an IC card of a reuse form, you may make it the recovery card receipt way 90 equipped with the reduction mechanism which is not illustrated in which the collected prepaid card 45 is returned to the card issue machine 11. By having a reduction mechanism, a recovery man day and the man day of re-charge are reduced.

[0052] The card stowage 67 and the bill stowage 71 insert a card holder 55 and the bill electrode holder 73 from flank 65A of the method of one of the conveyance belt 65, as shown in (A) of drawing 3 , and flank 65B of another side of the conveyance belt 65 shown in drawing 4 is the single-sided structure where it is not used. Therefore, the conveyance belt 65 is equipped with the composition which performs conveyance to the game base 5 of the game island 3 located in a line with the flank 65A side.

[0053] conveyance to the game base 5 of the game island 3 located in a line with the flank 65B side of another side -- the next door of the conveyance belt 65 -- or the conveyance belt 65 which was arranged below and which is not illustrated carries out That is, the game island 3 where the game base 5 was located in a line with both sides has the conveyance belt 65 of two trains. In addition, it can change to the conveyance belt 65 of the single-sided structure of (A) of drawing 3 , and the conveyance belt 1065 of the both-sides structure of (B) of drawing 3 can be used.

[0054] The bill stowage 1071 and the card stowage 1067 are formed from the flank 1065A side of the method of one, and, as for the conveyance belt 1065, the bill stowage 2071 and the card stowage 2067 are formed from the flank 1065B side of another side. The bill stowage 1071 and the card stowage 1067 supply a prepaid card 45 to the game base 5 by the side of flank 1065A, and collect bills 61. The bill stowage 2071 and the card stowage 2067 supply a prepaid card 45 to the game base 5 by the side of flank 1065B, and collect bills 61.

[0055] The bill stowages 1071 and 2071 are formed in the direction whose longitudinal direction corresponds with the longitudinal direction of the conveyance belt 1065 as shown in (B) of drawing 3 , and are formed in the direction in which the longitudinal direction of the card stowages 1067 and 2067 corresponds with the longitudinal direction of the conveyance belt 1065.

[0056] As the bill electrode holder 1073 shows the bill stowages 1071 and 2071 formed in the longitudinal direction by the dotted line at (B) of drawing 3 , it is inserted sideways. Moreover, as a card holder 1055 shows the card stowages 1067 and 2067 formed in the longitudinal direction by the dotted line, it is inserted sideways.

[0057] only one train should install the conveyance belt 65 shown above in a game island 3 -- in addition, the extremely excellent effect that the curtailment effect of an installation space and the curtailment effects of part mark can attain together that there should just be width of face to which breadth can contain the direction of a short hand of a bill 61 does so

[0058] The game base 5 currently installed in the game island 3 of a path where the conveyance belt 65 moves is attached between the counter 101 of the game island 3, and the up trim board 103, as shown in drawing 2 . The check trim board 105 is attached in the upper part of the up trim board 103. The up trim board 103 is being fixed to the game island 3, the check trim board 105 is having the structure which can be opened, and the check of the interior of the game island 3 of it is enabled.

[0059] The calling-indicator unit 107, the card-return assembly 109, and the card vending machine 111 are attached in the up trim board 103. The calling-indicator unit 107 is equipped with the call button 113. By operating the call button 113, a call signal YDS is transmitted to the hole management computer 115 shown in drawing 5 .

[0060] The card-return assembly 109 is adjoined and installed in the method of left-hand side of the calling-indicator unit 107, as this card-return assembly 109 is shown in (B) of drawing 2 , and drawing 3 , input port 116 is formed in the game visitor side of the up trim board 103, and card ****** 117 is attached in the interior side of the up trim board 103. Card ****** 117 slides down the prepaid card 45 after the use supplied to input port 116 by the game visitor on the conveyance belt 65 of a return trip, and lays it on the conveyance belt 65 of a return trip.

[0061] It lays for making it possible to lay on the conveyance belt 65 only using gravity on the conveyance belt 65 of a return trip here. Since an outward trip rotates the conveyance belt 65 only in the arrow YA direction and a return trip rotates only in the anti-arrow YA direction, the prepaid card 45 laid on the conveyance belt 65 of a return trip is carried to the position of the fall section 88, carries out free fall from the fall section 88, and is contained by the recovery card receipt way 90. The prepaid card 45 contained by the recovery card receipt way 90 slides down a ramp, and is contained by the recovery card storage shed 15.

[0062] Therefore, the fall section 88 has a function as the move section which moves a prepaid card 45 to the recovery card storage shed 15 from on the conveyance belt 65 using gravity. The prepaid cards 45 contained by the recovery card storage shed 15 are collected by the help.

[0063] In addition, when it considers as the structure of laying a prepaid card 45 on the conveyance belt 65 of an outward trip, it is carried in the arrow YA direction and the storage shed which is not illustrated is made to collect. The card vending machine 111 is attached in the method of right-hand side of the calling-indicator unit 107, and equips the game visitor side of the up trim board 103 with the lamp 127 and the card piece lamp 129 bill input port 121, the card send mouth 123, the working display lamp 125, and during sale.

[0064] Bill input port 121 is for putting the bill 61 for a game visitor purchasing a prepaid card 45 into the card vending machine 111. the card send mouth 123 It is what is sent out in order to pass a game visitor the purchased prepaid card 45. the working display lamp 125 It is for it being shown in the card vending machine 111 that the power supply is supplied. during sale a lamp 127 It is not shown that it is in the state which can sell a prepaid card 45 to a game visitor, and the card piece lamp 129 is for the state where the prepaid card 45 is not standing by in the card vending machine 111 being shown to a game visitor. Although sale of a prepaid card 45 is performed when the working display lamp 125 lights up, a lamp 127 puts out the light during sale by this and the card piece lamp 129 is on, by the time a prepaid card 45 is sent out from the card send mouth 123, this thing will be shown for time for a while. Moreover, when the lamp 127 has gone out during sale, the card vending machine 111 has stopped acceptance of a bill 61, and cannot insert a bill 61 in the card vending machine 111.

[0065] For the plan of the card vending machine 111, and drawing 9 , explanatory drawing of operation of the card vending machine 111 and drawing 10 are [drawing 7 / explanatory drawing of the side of the card vending machine 111 and drawing 8 / the block diagram of the outline composition of the card vending machine 111 and drawing 12 of the cross section of the card vending machine 111 and drawing 11] some plans of the conveyance belt 65.

[0066] The card vending machine 111 is attached every game base 5, and as shown in drawing 7 , it is installed between the up trim board 103 and the conveyance belt 65. This card vending machine 111 consists of the electrode-holder move mechanism 131, a bill unit 133 shown in drawing 8 and drawing 9 , a card unit 135, and a vending machine control unit 137 shown in drawing 11 , as shown in drawing 8 .

[0067] The electrode-holder move mechanism 131 consists of an elevator style 141 and a electrode-holder grasping mechanism 143, as shown in drawing 8 . that to which the elevator style 141 moves the electrode-holder grasping mechanism 143 -- it is -- the electrode-holder grasping mechanism 143 -- the frame of the up trim board 103 and the conveyance belt 65 mostly held in the center -- a member 145 and a frame -- it has the elevator style 147 which goes up or drops a member 145, and the rolling mechanism 149 which rotates the electrode-holder grasping mechanism 143 The elevator style 147 consists of a driving-side elevator style 151 attached near the up trim board 103, and a non-driving-side elevator style 153 attached in the conveyance belt 65 side. The driving-side elevator style 151 equips the step motor 155 and the step motor 155 with the worm 157 by which a rotation drive is carried out, the ball screw 159 which has geared to the worm 157, and the pulley 161 which rotates with a worm 157. a medial axis carries out warm 157 in the perpendicular direction -- having -- **** -- a ball screw 159 -- a frame -- it is fixed to the member 145 these composition -- the driving-side elevator style 151 -- rotation of a step motor 155 -- a ball screw 159 -- elevation -- or -- descending -- a frame -- a member 145 is gone up or dropped

[0068] The non-driving-side elevator style 153 is equipped with the ball screw 165 which has geared with the worm 163 to the worm 163, and the pulley 167 which rotates with a worm 163. a medial axis carries out warm 163 in the perpendicular direction -- having -- **** -- a ball screw 165 -- a frame -- it is fixed to the member 145 Moreover, the cocked belt 169 is constructed between the pulley 161 and the pulley 167. these composition -- the non-driving-side elevator style 153 -- rotation of a step motor 155 -- a pulley 167 -- rotating -- rotation of a pulley 167 -- warm one -- 163 -- rotating -- a ball screw 165 -- elevation -- or -- descending -- a frame -- a member 145 is gone up or dropped

[0069] therefore, the elevator style 147 -- a frame -- it has the function to go up or drop the electrode-holder grasping mechanism 143 which the member 145 holds the rolling mechanism 149 which rotates the electrode-holder grasping mechanism 143 -

- the electrode-holder grasping mechanism 143 and a frame -- it is infixed between members 145 and consists of a step motor 171 and a reducer style 173 If a step motor 171 rotates, rotational speed will be slowed down by the reducer style 173 and the electrode-holder grasping mechanism 143 will rotate a rolling mechanism 149 in the arrow YB direction with high torque by it.

[0070] it explained above -- as -- the elevator style 141 -- the electrode-holder grasping mechanism 143 -- a rise -- or while descending, it is made to rotate in the arrow YB direction the electrode-holder grasping mechanism 143 in which a position is set to have mentioned above by the elevator style 141 is shown in drawing 10 -- as -- hanging of a rolling mechanism 149 -- a member 175 -- a frame -- it is held under the member 145 It hangs and the member 175 holds the 4 angle cylinder-like main part 177. The sliding grasping mechanism 179 is infixed in a main part 177 possible [sliding of the arrow YC direction which is the sliding direction of a main part 177], and the sliding drive 181 is attached in the position which connects a main part 177 and the sliding grasping mechanism 179. warm one by which the rotation drive of the sliding drive 181 is carried out by a step motor 183 and this step motor 183 -- 185 and warm one -- the connection which connects the ball screw 187 which has geared to 185, a ball screw 187, and the sliding grasping mechanism 179 -- it has the member 189 connection -- a member 189 connects between the sliding grasping mechanism 179 in which it is located in the interior of a main part 177, and the ball screws 187 located in the exterior of a main part 177 through the slit 191 formed in the arrow YC direction of a main part 177

[0071] When a step motor 183 rotates by the above-mentioned composition, a ball screw 187 is moved in the arrow YC direction, and the sliding grasping mechanism 179 slides on the inside of a main part 177 in the arrow YC direction by this. the sliding grasping mechanism 179 which slides on the inside of a main part 177 in the arrow YC direction -- the sliding main part 195 and pliers-like grasping -- it has a member 193, an actuator 197, two hauling springs 199, and the attachment component 201 grasping -- a end face 203 is located in the interior of the sliding main part 195, and, as for a member 193, the operation edge 205 is located outside grasping -- the intersection 207 of a member 193 is attached in the shank material 209 free [rotation], and the shank material 209 is attached in the sliding main part 195 thereby -- grasping -- a member 193 is held focusing on an intersection 207 to the sliding main part 195 at the state which can be rotated The actuator 197 is infixed between two end faces 203. An actuator 197 generates driving force in the arrow YD direction which narrows between two end faces 203.

[0072] Moreover, between each end face 203 and the sliding main part 195, the hauling spring 199 is infixed, respectively. Thereby, two end faces 203 generate the energization force with the hauling spring 199 in the arrow YE direction which makes between two end faces 203 large.

[0073] this composition -- grasping -- when an actuator 197 is not in a drive state, two operation edges 205 of a member 193 generate the energization force according to the energization force of the hauling spring 199 in the anti-arrow YF direction which makes between two operation edges 205 large, and generate the force of the direction which keeps away between two operation edges 205 from a card holder 55 or the bill electrode holder 73

[0074] moreover, grasping — when an actuator 197 changes into a drive state, the driving force of an actuator 197 pulls two operation edges 205 of a member 193, and they become stronger than the energization force of a spring 199, generate driving force in the arrow YF direction which narrows between two operation edges 205, and generate the force which pinches a card holder 55 or the bill electrode holder 73 between two operation edges 205

[0075] grasping — between two operation edges 205, the attachment component 201 located near the center of two operation edges 205 of a member 193 is constituted by the position and configuration which are inserted in the opening 211 of a card holder 55, or the opening 211 of the bill electrode holder 73, when a card holder 55 or the bill electrode holder 73 is pinched thereby — grasping — when a card holder 55 or the bill electrode holder 73 is pinched by the member 193, as shown in drawing 10 , an attachment component 201 will be inserted in opening 211, and a card holder 55 or the bill electrode holder 73 will be held by two operation edges 205 and the attachment component 201 therefore — without a card holder 55 or the bill electrode holder 73 is shaky, it shifts or it falls — grasping — it is held by the member 193

[0076] a card holder 55 or the bill electrode holder 73 — grasping — in the state where it held by the member 193, if the sliding grasping mechanism 179 is moved in the arrow YC direction, both the card holder 55 and the bill electrode holder 73 will move Therefore, if the sliding grasping mechanism 179 is moved to the deepest section 213 of a main part 177, a card holder 55 or the bill electrode holder 73 will also be contained in a main part 177.

[0077] As mentioned above, a card holder 55 or the bill electrode holder 73 is taken out from the conveyance belt 65, it rotates the angle of 90 degrees in the arrow YB direction by the rolling mechanism 149 from the position shown in drawing 8 , and the electrode-holder grasping mechanism 143 contained in a main part 177 will be in the state of electrode-holder grasping mechanism 143A shown according to a two-dot chain line. From the state of this electrode-holder grasping mechanism 143A, a card holder 55 or the bill electrode holder 73 is moved to the bill unit 133 shown in drawing 8 and drawing 9 , and the card unit 135. Here, the bill unit 133 is located in the lower berth, and the card unit 135 is located on the bill unit 133. Only by rotating the electrode-holder grasping mechanism 143 the angle of 90 degrees in the arrow YB direction, holding level LA (shown in drawing 10) to which electrode-holder grasping mechanism 143A holds the card holder 55 or the bill electrode holder 73 is located in the middle level LB of the bill unit 133 and the card unit 135, as shown in (B) of drawing 9 . the case where the bill electrode holder 73 is moved to the bill unit 133 from the state of electrode-holder grasping mechanism 143A — first — the elevator style 147 -- operating -- a frame -- a member 145 is dropped and processing which makes holding level LA of the bill electrode holder 73 in agreement with holding level LC of the bill electrode-holder insertion mouth 215 of the bill unit 133 is performed It is at the design time, the amount of descent is calculated beforehand, and this processing is performed by moving the amount of conventions.

[0078] Subsequently, processing for which is made to move in the arrow YG direction which shows the sliding grasping mechanism 179 to drawing 10 , and the bill electrode holder 73 is moved to the bill unit 133 is performed. The bill electrode holder 73 is inserted into the bill unit 133 by this processing from the bill electrode-holder insertion mouth 215 shown in (B) of drawing 9 .

[0079] next, the state where the bill electrode holder 73 reached to the predetermined position of the bill unit 133 -- grasping -- two operation edges 205 of a member 193 are opened, grasping of the bill electrode holder 73 is opened wide, with the arrow YG direction which shows the sliding grasping mechanism 179 to drawing 10 , it is made to move to opposite direction and the sliding grasping mechanism 179 is moved to the deepest section 213 of a main part 177 thereby -- grasping -- a member 193 is contained in a main part 177, and generating of interference with others is prevented

[0080] ** [completion of movement to the bill unit 133 / perform / move processing of the bill unit 133 / the bill electrode holder 73 / as mentioned above / next] The bill unit 133 receives the bill 61 inserted in bill input port 121 in the bill electrode holder 73, and has the function to pass the sliding grasping mechanism 179 with this bill electrode holder 73.

[0081] in order to realize this function -- the bill unit 133 -- the electrode-holder attaching part 217, the bill delivery mechanism 219, and a movable frame -- a member 221 and a fixed frame -- it has the member 223, the frame move mechanism 225, and the rolling mechanism 227 a fixed frame -- a member 223 -- a movable frame -- a member 221 is held between the up trim board 103 and the conveyance belt 65 a fixed frame -- a member 223 and a movable frame -- the frame move mechanism 225 is infixed between members 221 The frame move mechanism 225 equips the step motor 229 and the step motor 229 with the worm 231 by which a rotation drive is carried out, and the ball screw 233 which has geared to the worm 231. warm 231 -- a medial axis -- a fixed frame -- it arranges along with the longitudinal direction of a member 223 -- having -- **** -- a ball screw 233 -- a movable frame -- it is attached in the member 221 these composition -- the frame move mechanism 225 -- a movable frame -- it is made to move in the arrow YH direction which shows a member 221 to drawing 8

[0082] a rolling mechanism 227 -- a movable frame -- it is infixed between the member 221 and the electrode-holder attaching part 217, and the electrode-holder attaching part 217 is rotated in the arrow YI direction shown in drawing 8 inserting a bill 61 into the bill electrode holder 73 which the bill delivery mechanism 219 which consists of a rubber roller, a step motor, etc. is attached in the electrode-holder attaching part 217, and was contained in the electrode-holder attaching part 217 **** -- or the bill 61 in the bill electrode holder 73 -- it sends out

[0083] By composition mentioned above, the bill unit 133 functions, as shown below. First, when the bill unit 133 receives the bill electrode holder 73 from the electrode-holder grasping mechanism 143, only the angle of 90 degrees rotates the electrode-holder attaching part 217 of the state which shows in (A) of drawing 9 in the arrow YJ direction. This will be in the state of electrode-holder attaching part 217A shown according to a two-dot chain line. Subsequently, the electrode-holder attaching part 217 is moved in the arrow YK direction.

[0084] If the bill electrode-holder insertion mouth 215 reaches the bill input port unit 235 shown in drawing 8 , the processing for which the electrode-holder attaching part 217 is moved in the arrow YK direction will be suspended. The bill input port unit 235 is equipped with bill input port 121, and is equipped with the function which distinguishes the bill 61 inserted from this bill input port 121. This bill input port unit 235 discharges the inserted 1000 yen bill to the true tag output 237 while outputting the signal of 1000 yen if Shinsei, when the tag of 1000 yen is inserted. Moreover, it will distinguish, if it is not 1000 Shinsei yen when things other than a 1000 yen bill are inserted, and it has the composition and the function which are returned to bill input port 121 and which are not illustrated. The bill input port unit 235 outputs the signal which shows that the bill 61 was returned, the signal which shows under distinction of a bill 61, and the signal which shows that the bill 61 was received to the vending machine control unit 137.

[0085] Therefore, when the tag of 1000 yen is inserted, the inserted 1000 yen bill is inserted in the bill electrode holder 73 of the bill unit 133 via the bill input port unit 235. Henceforth, first, with the arrow YK direction, it is moved to opposite direction, and, subsequently to opposite direction, the electrode-holder attaching part 217 rotates only the angle of 90 degrees with the arrow YJ direction.

[0086] In this state, the electrode-holder grasping mechanism 143 receives the bill electrode holder 73 which contained the bill 61 from the bill unit 133, and inserts the bill electrode holder 73 in the bill stowage 71 of the conveyance belt 65. Processing which inserts the bill electrode holder 73 in the bill stowage 71 of the conveyance belt 65 is performed in a procedure contrary to the processing which takes out the bill electrode holder 73 from the bill stowage 71 of the conveyance belt 65. This bill electrode holder 73 is carried to the bill storing safe 13, and a bill 61 is stored in the bill storing safe 13.

[0087] Next, operation of the card unit 135 is explained. the case where a card holder 55 is moved to the card unit 135 from the state of electrode-holder grasping mechanism 143A -- first -- the elevator style 147 -- operating -- a frame -- a member 145 is raised and processing which makes holding level LA of a card holder 55 in agreement with holding level LD of the card holder insertion mouth 239 of the card unit 135 as shown in drawing 9 is performed It is at the design time, the amount of rises is calculated beforehand, and this processing is performed by moving the amount of conventions.

[0088] Subsequently, processing for which is made to move in the arrow YG direction which shows the sliding grasping mechanism 179 to drawing 10 , and a card holder 55 is moved to the card unit 135 is performed. A card holder 55 is inserted into the card unit 135 from the card holder insertion mouth 239 by this processing.

[0089] next, the state where the card holder 55 reached to the predetermined position of the card unit 135 -- grasping -- two operation edges 205 of a member 193 are opened, grasping of a card holder 55 is opened wide, with the arrow YG direction which shows the sliding grasping mechanism 179 to drawing 10 , it is made to move to opposite direction and the sliding grasping mechanism 179 is moved to the deepest section 213 of a main part 177 thereby -- grasping -- a member 193 is contained in a main part 177, and generating of interference with others is prevented

[0090] ** [completion of movement to the card unit 135 / perform / move processing of the card unit 135 / a card holder 55 / as mentioned above / next] the card unit 135 is shown in drawing 9 -- as -- the electrode-holder attaching part 241, a card feed device 243, and a movable frame -- a member 245 and a fixed frame -- it has the member 247, the frame move mechanism 249, and the rolling mechanism 251

[0091] a fixed frame -- a member 247 -- a movable frame -- a member 245 is held between the up trim board 103 and the conveyance belt 65 a fixed frame -- a member 247 and a movable frame -- the frame move mechanism 249 is infixed between members 245 The frame move mechanism 249 equips the step motor 253 and the step motor 253 with the worm 255 by which a rotation drive is carried out, and the ball screw 257 which has geared to the worm 255. warm 255 -- a medial axis -- a fixed frame -- it arranges along with the longitudinal direction of a member 247 -- having -- **** -- a ball screw 257 -- a movable frame -- it is attached in the member 245 these composition -- the frame move mechanism 249 -- a movable frame -- it is made to move in the arrow YH direction which shows a member 245 to drawing 8

[0092] a rolling mechanism 251 -- a movable frame -- it is infixed between the member 245 and the electrode-holder attaching part 241, and the electrode-holder attaching part 241 is rotated in the arrow YI direction inserting a prepaid card 45 into the card holder 55 which the card feed device 243 which consists of a rubber roller, a step motor, etc. is attached in the electrode-holder attaching part 241, and was contained in the electrode-holder attaching part 241 **** -- or the prepaid card 45 in a card holder 55 -- it sends out

[0093] By composition mentioned above, the card unit 135 functions, as shown below. First, when the card unit 135 receives a card holder 55 from the electrode-holder grasping mechanism 143, only the angle of 90 degrees rotates the electrode-holder attaching part 241 of the state which shows in (A) of drawing 9 in the arrow YJ direction. This will be in the state of electrode-holder attaching part 241A shown according to a two-dot chain line. Subsequently, the electrode-holder attaching part

241 is moved in the arrow YK direction.

[0094] If the card holder insertion mouth 239 reaches the card send mouth unit 259, the processing for which the electrode-holder attaching part 241 is moved in the arrow YK direction will be suspended. The card send mouth unit 259 is equipped with the function to send out the prepaid card 45 in a card holder 55 to the card send mouth 123. The card send mouth unit 259 is equipped with the card sensor 269 shown in drawing 11 , and outputs the signal TS which shows that the position which the preparation whose card send mouth unit 259 sends out a prepaid card 45 to the card send mouth 123 has completed is arrived at to the vending machine control unit 137.

[0095] It is controlled by the bill unit 133 mentioned above, the card unit 135, and the vending machine control unit 137 indicated to be the electrode-holder move mechanism 131 to drawing 11 . The microcomputer unit 261 which the vending machine control unit 137 equipped with CPU, ROM, RAM, etc., It has an input/output interface 263, the output interface 265, and a communication interface 267. The card sensor 269 which detects whether a prepaid card 45 is storing in the card unit 135, and the card sensor 275 which detects that a prepaid card 45 exists in the card send mouth 123, While inputting information as the insertion sensor 271 which detects insertion of the bill 61 to the bill unit 133, the bill unit 133, and the card unit 135 through an input/output interface 263 from the electrode-holder move mechanism 131 The bill unit 133, the card unit 135, the electrode-holder move mechanism 131, and the control signal to the card ** buzzer 273 are outputted via an input/output interface 263 and the output interface 265. The vending machine control unit 137 inputs the signal which shows whether the bill electrode holder 73 exists in the bill unit 133 from the electrode-holder sensor 134.

[0096] Next, control of the whole card selling system 1 is explained. The computer unit 301 which shows the control system of the card selling system 1 to drawing 5 performs operation, maintenance, and security. The computer unit 301 is equipped with CPU, ROM, well-known RAM and well-known external storage 303, an input interface, an output interface, and a communication interface, and is installed in one game island 3 one set.

[0097] The hole management computer 115, the issue machine control unit 27, the safe control unit 83, and many vending machine control units 137 are connected to the computer unit 301 through the communication interface. The stowage code reader 305 and three stowage position sensors 307, 309, and 311 are connected to the input interface of the computer unit 301. The drive control units 313, 315, and 317 of drive motors 97, 98, and 99 are connected to the output interface.

[0098] The stowage code reader 305 reads optically the stowage code 321 displayed on the conveyance belt 65 which shows an example to drawing 12 , and outputs the stowage code signal IDS. As shown in drawing 3 , the print of the stowage code 321 is carried out to right above the card stowage 67 and the bill stowage 71 by the bar code.

[0099] The stowage position sensors 307, 309, and 311 read optically the position mark 323 which shows an example to drawing 12 , and output position signals information separator1, information separator2, and information separator3 to it. The print of the position mark 323 is carried out together with the stowage code 321. The stowage code reader 305 is attached near the game base 5 of Y0, as shown in drawing 1 . This is the best style of the conveyance belt 65.

[0100] The stowage position sensor 307 is attached in the position which can carry out alignment of the position where the electrode-holder move mechanism 131 of the card vending machine 111 of the game base 5 of Y0 takes out a card holder 55 and the bill electrode holder 73. Although the stowage position sensor 309 omits illustration, it is attached in the position which can carry out alignment of the position where the electrode-holder move mechanism 131 of the card vending machine 111 of the game base 5 of Y11 takes out a card holder 55 and the bill electrode holder 73.

[0101] The stowage position sensor 311 is attached in the position which can carry out alignment of the position where the electrode-holder move mechanism 131 of the card vending machine 111 of the game base 5 of Y26 takes out a card holder 55 and the bill electrode holder 73 as shown in drawing 1 . The card stowage 67 where the stowage code 321 and the position mark 323 are attached is a hole of the shape of a trench of four angles where opening length has [the hole depth / AL and opening width of face] the insertion mouth 325 of AH by AD in the conveyance belt 65 from the electrode-holder move mechanism 131 side in drawing 12 as a dotted line shows. The insertion mouth 325 has the size which can insert a card holder 55. The card stowage 67 has the size which can contain a card holder 55.

[0102] Moreover, as a dotted line shows the bill stowage 71 where the stowage code 321 and the position mark 323 are attached to drawing 12 , BL and opening width of face are the holes of the shape of a trench of four angles where opening length has [the hole depth] the insertion mouth 327 of BH by BD in the conveyance belt 65 from the electrode-holder move mechanism 131 side almost like the card stowage 67. The insertion mouth 327 has the size which can insert the bill electrode holder 73, and the bill stowage 71 has the size which can contain the bill electrode holder 73. Here, since the conditions that a size is larger than a prepaid card 45 have the direction of a bill 61, it becomes BL>AL, BD>AD, and BH>AH. In addition, it is good also as BL=AL, BD=AD, and BH=AH.

[0103] The notch 329 is formed in the center of a simultaneously of the above-mentioned insertion mouth 325 at the conveyance belt 65. the card holder 55 by which the notch 329 was inserted in the card stowage 67 -- grasping -- the space for grasping by the member 193 is offered The notch 329 is similarly formed in the center of a simultaneously of the insertion mouth 327 at the conveyance belt 65. the bill electrode holder 73 with which the notch 329 was inserted in the bill stowage 71 -- grasping -- the space for grasping by the member 193 is offered

[0104] grasping -- the card holder 55 grasped by the member 193 As shown in drawing 13 , it is box-like [with four thin angles]. opening length by KD The insertion mouth 337 of KH, [opening width of face] the depth of a hole — the receipt hole 335 of KL — having — grasping — when it grasps by the member 193, the thickness it is made not to generate with a defluxion loop clip etc. with the flange 331 of KT The length for making insertion possible smoothly is equipped with the cone-like part 333 and the card move slit 339 of KK, without being caught in the card stowage 67.

[0105] The insertion mouth 337 has the size which a prepaid card 45 can insert into the receipt hole 335. The receipt hole 335 has the size which the whole surface of a prepaid card 45 can contain in a card holder 55. The card move slit 339 is used, when the card feed device 243 grade shown in drawing 11 inserts a prepaid card 45 into a card holder 55 or it sends out in a card holder 55 prepaid card 45.

[0106] grasping — the bill electrode holder 73 grasped by the member 193 It is box-like [with four thin angles] like a card holder 55. opening width of face by MD opening length — the insertion mouth 341 of MH, and the depth of a hole — the receipt hole 343 of ML — having — grasping — when it grasps by the member 193, the thickness it is made not to generate with a defluxion loop clip etc. with the flange 345 of MT The length for making insertion possible smoothly is equipped with the cone-like part 347 and the bill move slit 349 of MK, without being caught in the bill stowage 71.

[0107] The insertion mouth 341 has the size which a bill 61 can insert into the receipt hole 343. The receipt hole 343 has the size which the whole surface of a bill 61 can contain in the bill electrode holder 73. The bill move slit 349 is used, when the bill delivery mechanism 219 grade shown in drawing 11 inserts a bill 61 into the bill electrode holder 73 or sends out the bill 61 in the bill electrode holder 73.

[0108] Next, the control performed in the computer unit 301 of the card selling system 1 is explained. Drawing 14 is explanatory drawing of the stowage code 321 and the position mark 323. The conveyance belt 65 with which this stowage code 321 and the position mark 323 are attached is equipped with the card stowage 67 of C0-C10, and the bill stowage 71 of B0-B10 as shown in (B) of drawing 14 . In addition, the number of the card stowage 67 and the bill stowages 71 can be suitably set up by design. Here, the card stowage 67 and the bill stowage 71 are installed by the ratio of about 1/3 of the number of the game bases 5.

[0109] As it is indicated in drawing 12 as the stowage code 321 and the position mark 323, it is respectively installed in the card stowage 67 of C0-C10, and the bill stowage 71 of B0-B10. Moreover, as the position mark 323 is shown in (C) of drawing 14 , only the quantity corresponding to the quantity of the game base 5 is installed. Here, the stowage code 321 is installed for six multiples of position marks 323.

[0110] It is explanatory drawing of a data table in which drawing 15 is stored in the flow chart of a current position detection manipulation routine, and drawing 16 is stored in external storage 303. Current position detection processing is performed for every 4m second in the computer unit 301. If current position detection processing is started, the stowage code reader 305 will be read first (S100), and, subsequently reading (S110) of the stowage position sensor 307, reading (S120) of the stowage position sensor 309, and reading (S130) of the stowage position sensor 311 will be performed one by one.

[0111] Next, current position data table storing processing is performed (S140), and this routine is once ended. In this current position data table storing processing, the current position data 351 shown in (A) of drawing 14 are computed based on the position signal information separator 1 first inputted from the stowage code signal IDS inputted from the stowage code reader 305, and the stowage position sensor 307, the position signal information separator 2 inputted from the stowage position sensor 309, and the position signal information separator 3 inputted from the stowage position sensor 311. This current position data 351 every position signal information separator 1, position signal information separator 2, and position signal information separator 3 The stowage codes C0-C10 which show the card stowage 67 of C0-C10 based on the stowage code signal IDS, or the bill stowage 71 of B0-B10, and the data 353 of B0-B10, It consists of data 355 of Code B in which the code C which shows the detection of the card stowage 67 based on a position signal information separator 1, a position signal information separator 2, and a position signal information separator 3, and the bill stowage 71 are shown, and data 357 of the integrated value of Code C based on data 355, and the integrated value of Code B. This current position data 351 specifies the position mark 323 which the position signal information separator 1 detected. That is, the located position mark 323 is specified as the position of the stowage position sensor 307 now. For example, by the data 353, 355, and 357 illustrated to (A) of drawing 14 , as shown in (C) of drawing 14 , a position 361 is directed from "C1] of data 353, the position 363 of "C1] to "C" of data 355 is directed, and the ""5" to 5th piece" position mark 323 of data 357 is directed.

[0112] Moreover, this current position data 351 specifies the position mark 323 which the position signal information separator 2 detected similarly, and specifies the position mark 323 which the position signal information separator 3 detected. The current position data 351 called for as mentioned above are stored in the external storage 303 shown in drawing 16 as a current position data table 365. Thereby, it becomes possible by referring to this current position data table 365 to ask for the position of the card stowage 67 and the bill stowage 71.

[0113] Drawing 17 is explanatory drawing of the game base position table 367. This game base position table 367 is defined by the item of the card selling system 1, and as shown in drawing 16 , it is beforehand stored in external storage 303. The card bill position data table 379, the recovery frame data table 381, the card issue amount-of-money data table 383, and the card-number-electrode-holder number correspondence data table 385 are formed in external storage 303. The recovery frame data table 381 is detected and memorized by database management processing which does not illustrate the information on the amount of money of the bill 61 received by the bill storing safe 13 through the conveyance belt 65. The card issue machine 11 detects and memorizes the card issue amount-of-money data table 383 by database management processing which does not illustrate the information on the amount of money of the prepaid card 45 which the conveyance belt 65 was made to convey.

[0114] The game base position table 367 shown in drawing 17 is a correction value table for computing the position mark 323 in the position of the game base 5 of Y0-Y29 from the current position data table 365 shown in drawing 14 called for from the position signal information separator 1, the position signal information separator 2, and the position signal information separator 3.

[0115] "Set [1]" For example, as for the correction value "1" which asks for the position mark 323 of the game base 5 of Y25, the data of the current position data table 365 advance the position mark 323. In 1 set, it corresponds to one set of the game base 5, and they are two position marks. Therefore, the present position mark 323 of the desired game base 5 is specified on the current position data table 365 and the game base position table 367, and the control which guides future card stowages 67 and bill stowages 71 to the position of the desired game base 5 is attained.

[0116] Drawing 18 is explanatory drawing of the conveyance way state table 369. This conveyance way state table 369 records the present state of the card stowage 67 and the bill stowage 71, and changes on real time according to the operating state of the card selling system 1. Data 371 show the stowage codes B0-B10 which show the bill stowage 71, data 373 show the stowage codes C0-C10 which show the card stowage 67, and data 375 show the state of the bill stowage 71. As a state, only the bill electrode holder 73 shows [a bill 61 and the bill electrode holder 73] existence, and "2" shows ["0" is empty and "1"] existence. Data 377 show the state of the card stowage 67. As a state, only a card holder 55 shows [a prepaid card 45 and a card holder 55] existence, and "2" shows ["0" is empty and "1"] existence.

[0117] Next, operation of the card vending machine 111 is explained. During sale drawing 19 the flow chart of a lamp lighting manipulation routine and drawing 20 -22 The flow chart of a bill manipulation routine and drawing 23 The flow chart of the bill stowage move manipulation routine of a state "0", Drawing 24 The flow chart of the card stowage move manipulation routine of a state "0", Drawing 25 The flow chart of the bill stowage move manipulation routine of a state "1", Drawing 26 The flow chart of the card stowage move manipulation routine of a state "2", For drawing 27 , the flow chart of a card supplement manipulation routine and drawing 28 are [the flow chart of a bill recovery manipulation routine and drawing 30 of the flow chart of the issue manipulation routine of the prepaid card to a conveyance belt and drawing 29] the flow charts of a maintenance manipulation routine.

[0118] During sale of drawing 19 , for every second, lamp lighting processing interrupts and is started with the vending machine control unit 137 of the card vending machine 111 shown in drawing 11 . If lamp lighting processing is started during sale, that judgment will be first made during prepaid card storing (S200). A judgment with it prepaid card being under storing is made when the card sensor 269 is outputting Signal TS. When it is judged that it is [prepaid card] under storing, next, a judgment of bill electrode-holder existence is made (S210). A judgment with bill electrode-holder existence is made by the signal from the bill unit 133.

[0119] Here, when judgment that it is bill electrode-holder existence is made, lamp lighting processing, (S220) card piece lamp putting-out-lights processing, and (S230) are performed during sale. A lamp 127 is turned on by lamp lighting processing during sale during sale. The card piece lamp 129 is switched off by card piece lamp putting-out-lights processing.

[0120] When a judgment that it is not [prepaid card / be / it] under storing is made on the other hand (S200), and when a judgment that it is not bill electrode-holder existence is made (S210), lamp putting-out-lights processing, (S240) card piece lamp lighting processing, and (S250) are performed during sale. A lamp 127 is switched off during sale by lamp putting-out-lights processing during sale. The card piece lamp 129 is turned on by card piece lamp lighting processing.

[0121] Lettering "under prepaid card sale" and lettering of a "prepaid card piece" are given in near to the lamp 127 and the card piece lamp 129 during the above-mentioned sale. Lamp lighting processing enables the card vending machine 111, as for a game person, to check whether it is in the state which can sell a prepaid card 45 now according to the lighting state of a lamp during sale mentioned above.

[0122] Bill processing of drawing 20 is continuously performed with the vending machine control unit 137 of the card vending machine 111. Starting of bill processing makes that judgment during lamp lighting during sale first (S300). If it stands by until a lamp 127 is turned on during sale by repeating this processing until it is judged as under lamp lighting during sale, and it is judged as under lamp lighting during sale, next, insertion sensor-on will be judged (S310). A judgment with insertion sensor-on is made when the insertion sensor 271 detects a bill 61.

[0123] If a judgment with insertion sensor-on is made, bill input port unit drive processing will be performed (S320), and the completion of acceptance will be judged (S330). In bill input port unit drive processing, the driving signal which makes acceptance of a bill 61, distinction, etc. perform to the bill input port unit 235 is outputted. As for acceptance of these bills 61, distinction, etc., the bill input port unit 235 has independently the function to process.

[0124] In judgment of the continuing completion of acceptance, the bill input port unit 235 receives a bill 61, and the result which processed distinction etc. is inputted. The signal which shows that the bill input port unit 235 returned the bill 61 by this judgment, the signal which shows under distinction of a bill 61, or the signal which shows that the bill 61 was received is inputted. When what this input signal returned is shown During the input of the signal which returns processing to processing of

S300 and shows under distinction If the signal which shows that processing of S320 and S330 was repeated and accepted is inputted, the next prepaid card output processing will be performed (S340), lamp blink processing will be performed during sale (S350), and it will judge whether subsequently it outputted (S360).

[0125] In prepaid card output processing, the signal which makes a prepaid card 45 output to the card unit 135 is outputted. Thereby, as for the card unit 135, card feed device 243 grade sends out the prepaid card 45 in a card holder 55. By lamp blink processing, a lamp 127 is blinked during sale during sale.

[0126] In judgment whether it outputted, it judges that detected the state where the card sensor 269 would not detect a prepaid card 45, and the prepaid card 45 was outputted to the card send mouth 123. S340-S360 are repeated until a prepaid card 45 is outputted to the card send mouth 123.

[0127] After checking having outputted the prepaid card 45 to the card send mouth 123, Next, judge whether the card was taken (S370), and it stands by until the state where a game visitor does not receive a prepaid card 45 passes for 10 seconds (S380). Even if it passes 10 seconds, in not receiving a prepaid card 45, it performs card ** buzzer-on processing (S390), and when a prepaid card 45 is received, card ** buzzer-off processing is performed (S400). Judgment whether the card was taken judges if the card was taken, when the card sensor 275 which detects that a prepaid card 45 exists in the card send mouth 123 changes into the state where a prepaid card 45 is not detected. In card ** buzzer-on processing, a driving signal is outputted to the card ** buzzer 273. In card ** buzzer-off processing, the output of the driving signal of the card ** buzzer 273 is suspended.

[0128] By the above-mentioned processing, even if a game visitor passes for 10 seconds, when he does not receive a prepaid card 45, singing of the card ** buzzer 273 can be carried out, and a failure to take can be prevented. After a game visitor takes a prepaid card 45, as shown in drawing 21 , bill stowage call processing of a state "0" is performed (S410). In bill stowage call processing of a state "0", the bill stowage call signal in the state "0" of asking for coming the bill stowage 71 of a state "0" to the computer unit 301 to the delivery position of the card vending machine 111 is outputted. A delivery position here is a position where the bill electrode holder 73 is inserted, or the sliding grasping mechanism 179 of the card vending machine 111 takes out the bill electrode holder 73 to the bill stowage 71 of the conveyance belt 65.

[0129] The bill stowage call signal of this state "0" is outputted combining the codes Y0-Y29 which show discernment of the game base 5 in which the card vending machine 111 is attached, and the code which shows a bill stowage call of a state "0." Thereby, the bill stowage 71 of a state "0" is sent by processing which is performed by the computer unit 301 and which is mentioned later to the delivery position of the card vending machine 111 of the game base 5 which codes Y0-Y29 show.

[0130] While outputting the bill stowage call signal of the state "0" by the above

S410, next, move processing is performed for a bill electrode holder to a conveyance position (S420). Processing which move a bill electrode holder to a conveyance position, and moves the bill electrode holder 73 in the bill unit 133 to the electrode-holder move mechanism 131 in move processing is performed. By this, the bill electrode holder 73 which contained the bill 61 will be moved into a main part 177 from the bill unit 133.

[0131] If judgment processing of whether the bill stowage reached is performed (S430), the bill stowage 71 delivers and it arrives at a position where these S410 and S420 are performed, insertion processing will be performed for a bill electrode holder to a bill stowage (S440). Judgment that the bill stowage 71 delivered and it arrived at the position is judged based on the conveyance way state table 369 of the computer unit 301, the current position data table 365, and the game base position table 367.

[0132] Processing which inserts the bill electrode holder 73 in the bill stowage 71 is performed by controlling the electrode-holder move mechanism 131. If it judges whether it is the completion of insertion after execution of the processing which inserts the bill electrode holder 73 in the bill stowage 71 (S450) and the bill electrode holder 73 is inserted in the bill stowage 71, call release processing of the call by S410 will be performed (S455), and, next, bill electrode-holder call processing of a state "1" will be performed (S460). Judgment that insertion was completed for the bill electrode holder 73 to the bill stowage 71 is inputted from the control manipulation routine which controls the electrode-holder move mechanism 131 and which is not illustrated.

[0133] Thereby, it will be inserted in the bill stowage 71 of the conveyance belt 65 by the bill electrode holder 73 which contained the bill 61. Henceforth, it is conveyed by the bill storing safe 13 by processing mentioned later. Next, it waits for arrival of the bill stowage 71 after a call of the bill stowage 71 (S470), the bill electrode holder 73 is extracted from the bill stowage 71, and processing which moves to the bill unit 133 is performed (S480). The call of the bill stowage 71 of a state "1" is performed to the computer unit 301. Judgment of arrival of the bill stowage 71 is judged based on the conveyance way state table 369 of the computer unit 301, the current position data table 365, and the game base position table 367. Processing which moves to the bill unit 133 is performed by controlling the electrode-holder move mechanism 131 and the bill unit 133.

[0134] It checks that the bill electrode holder 73 has reached the bill unit 133 with the output of the electrode-holder sensor 134 after the above-mentioned processing (S490), and call release processing in which the call after [S460] a check is canceled is performed (S495). By processing to S490 of a more than, after receiving a bill 61, a prepaid card 45 is sold, and it will be in the state which can receive a bill 61 again.

[0135] Card stowage call processing of the state "0" which the bill electrode holder 73 is made to reach the bill unit 133, and shows below the back at drawing 22 is performed (S500). In card stowage call processing of a state "0", the card stowage call signal in the state "0" of asking for coming the card stowage 67 of a state "0" to the computer unit 301 to the delivery position of the card vending machine 111 is outputted.

[0136] The card stowage call signal of this state "0" is outputted combining the codes Y0-Y29 which show discernment of the game base 5 in which the card vending machine 111 is attached, and the code which shows a card stowage call of a state "0." Thereby, the card stowage 67 of a state "0" is sent by processing which is performed by the computer unit 301 and which is mentioned later to the delivery position of the card vending machine 111 of the game base 5 which codes Y0-Y29 show.

[0137] While outputting the card stowage call signal of the state "0" by the above S500, next, move processing is performed for a card holder to a conveyance position (S510). Processing which move a card holder to a conveyance position and moves the card holder 55 in the card unit 135 to the electrode-holder move mechanism 131 in move processing is performed. By this, a card holder 55 will be moved into a main part 177 from the card unit 135.

[0138] If judgment processing of whether the card stowage reached is performed (S520), the card stowage 67 delivers and it arrives at a position where these S500 and S510 are performed, insertion processing will be performed for a card holder to a card stowage (S530). Judgment that the card stowage 67 delivered and it arrived at the position is judged based on the conveyance way state table 369 of the computer unit 301, the current position data table 365, and the game base position table 367.

[0139] Processing which inserts a card holder 55 in the card stowage 67 is performed by controlling the electrode-holder move mechanism 131. If it judges whether it is the completion of insertion after execution of the processing which inserts a card holder 55 in the card stowage 67 (S540) and the card holder 55 is inserted in the card stowage 67, card stowage call processing of a state "2" will be performed to a degree after performing call release processing in which a call of S500 is canceled (S545) (S550).

[0140] The card holder 55 which contained the prepaid card 45 will deliver by this, and it will be conveyed to a position. Subsequently, if processing which takes out a card holder 55 from the card stowage 67 will be performed if judgment processing of whether the card stowage reached is performed (S560), the card stowage 67 delivers and it arrives at a position (S570), and it takes out (S580), processing which performs call release processing in which a call of S550 is canceled, and moves a card holder 55 to the card unit 135 the back (S585) will be performed (S590). If it stands by that perform this move processing and the card sensor 269 is turned "on [it]" the back and is turned "on", it will return at the beginning of the bill processing which shows drawing 20 .

[0141] Thereby, it is checked that selling preparation of a prepaid card 45 has been completed by the card sensor 269 by the bird clapper to "ON." Moreover, if processing which the card stowage 67 delivers, arrives at a position, and takes out a card holder 55 from the card stowage 67 the back cannot be performed and it cannot take out the back (S570) (S580), an unusual signal will be outputted to the computer unit 301 (S610). Call release processing in which a call of S550 is canceled is performed after the output of an unusual signal (S615). Here, by operation of a series of electrode-holder move mechanisms 131 set up beforehand, when a card holder 55 is not able to be taken out, an unusual signal is outputted.

[0142] Thereby, the abnormality is reported, when the card holder 55 is not contained in the card stowage 67 (i.e., when not going into the card stowage 67 into which a card holder 55 should go because a certain abnormalities occur in somewhere), or when abnormalities of operation are in the electrode-holder move mechanism 131.

[0143] By bill processing explained above, sale of the prepaid card 45 by the card vending machine 111, a supplement, recovery of a bill 61, and unusual information are attained. In addition, this bill processing is performed independently, respectively every card vending machine 111 attached in the game base 5 of Y0-Y29, respectively.

[0144] When processing of drawing 21 of S410 is performed, interruption startup processing of the bill stowage move processing of the state "0" which shows in drawing 23 is carried out by the computer unit 301. Starting of bill stowage move processing of a state "0" extracts the number (Y0-Y29) of the game base 5 called first (S700). The case of the bill stowage call signal in the state "0" where it was outputted from the vending machine control unit 137 of the card vending machine 111 attached in the upper part of the game base 5 of Y10 "Y10] is extracted.

[0145] If the number (Y0-Y29) of the called game base 5 is extracted next, the state of next arriving at the position of the game base 5 will detect the bill stowage of "0" (S710). Next, the state of arriving at the position of the game base 5 (for example, Y10) performs the bill stowage 71 of "0" based on the conveyance way state table 369, the game base position table 367, and the current position data table 365 by next detecting B0 - B10 bill stowage 71 where the state of moving to Y10 is "0." For example, "B0" is detected when B0 bill stowage 71 of "0" is located in the position of Y9 by the state.

[0146] The state performs the bill stowage 71 of "0" to the next after a state's detecting the bill stowage 71 of "0", and performs halt processing in the delivery position of a card vending machine (S720). In the delivery position of the game base 5, halt processing will be performed by stopping movement of the conveyance belt 65, if the bill stowage 71 detected based on the game base position table 367 and the current position data table 365 arrives at the position of the game base 5.

[0147] As for the state where it stopped in the delivery position of the above-mentioned game base 5, halt release processing is performed after standby (S730) until processing is completed (S740). A judgment that processing was completed is made when the call release signal outputted in S455 of drawing 21 is received.

[0148] By performing halt release processing, the conveyance belt 65 becomes movable. By bill stowage move processing in the state "0" where it explained above, it moves and stops to the delivery position of the card vending machine 111 which the bill stowage 71 in the state "0" of reaching early most called. Thereby, recovery of a bill 61 is performed promptly. Therefore, sale of the following prepaid card 45 can shorten time to become possible, and can improve customer satisfaction.

[0149] When processing of drawing 22 of S500 is performed, interruption startup processing of the card stowage move processing of the state "0" which shows in drawing 24 is carried out by the computer unit 301. Starting of card stowage move processing of a state "0" extracts the number (Y0-Y29) of the game base 5 called first (S800). The case of the card stowage call signal in the state "0" where it was outputted from the game base 5 of Y15 "Y15] is extracted.

[0150] If the number (Y0-Y29) of the called game base 5 is extracted next, the state of next arriving at the position of the game base 5 will detect the card stowage of "0" (S810). Next, the state of arriving at the position of the game base 5 (for example, Y15) performs the card stowage 67 of "0" based on the conveyance way state table 369, the game base position table 367, and the current position data table 365 by next detecting C0 - C10 card stowage 67 where the state of moving to Y15 is "0." For example, "C0" is detected when C0 card stowage 67 of "0" is located in the position of Y10 by the state.

[0151] The state performs the card stowage 67 of "0" to the next after a state's detecting the card stowage 67 of "0", and performs halt processing in the delivery position of the card vending machine 111 (S820). In the delivery position of the game base 5, halt processing will be performed by stopping movement of the conveyance belt 65, if the card stowage 67 detected based on the game base position table 367 and the current position data table 365 arrives at the position of the game base 5.

[0152] As for the state where it stopped in the delivery position of the above-mentioned game base 5, halt release processing is performed after standby (S830) until processing is completed (S840). A judgment that processing was completed is made when the call release signal outputted in S545 of drawing 22 is received.

[0153] By performing halt release processing, the conveyance belt 65 becomes movable. By card stowage move processing in the state "0" where it explained above, it moves and stops to the delivery position of the card vending machine 111 which the card stowage 67 in the state "0" of reaching early most called. The card holders 55 which became empty can be collected promptly by this, and it becomes possible to convey the following prepaid card 45 promptly in the card vending machine 111. Therefore, sale of the following prepaid card 45 can shorten time to become possible, and can improve customer satisfaction.

[0154] When processing of drawing 21 of S460 is performed, interruption startup processing of the bill stowage move processing of the state "1" which shows in drawing 25 is carried out by the computer unit 301. Starting of bill stowage move processing of a state "1" extracts the number (Y0-Y29) of the game base 5 called first (S900). The case of the bill stowage call signal in the state "1" where it was outputted from the game base 5 of Y5 "Y5] is extracted.

[0155] If the number (Y0-Y29) of the called game base 5 is extracted next, the state of next arriving at the position of the game base 5 will detect the bill stowage of "1" (S910). Next, the state of arriving at the position of the game base 5 (for example, Y5) performs the bill stowage 71 of "1" based on the conveyance way state table 369, the game base position table 367, and the current position data table 365 by next detecting B0 - B10 bill stowage 71 where the state of moving to Y5 is "1." For example, "B0" is detected when B0 bill stowage 71 of "1" is located in the position of Y1 by the state.

[0156] The state performs the bill stowage 71 of "1" to the next after a state's detecting the bill stowage 71 of "1", and performs halt processing in the delivery position of a card vending machine (S920). In the delivery position of the game base 5, halt processing will be performed by stopping movement of the conveyance belt 65, if the bill stowage 71 detected based on the game base position table 367 and the current position data table 365 arrives at the position of the game base 5.

[0157] As for the state where it stopped in the delivery position of the above-mentioned game base 5, halt release processing is performed after standby (S930) until processing is completed (S940). A judgment that processing was completed is made when the call release signal outputted in S495 of drawing 21 is received.

[0158] By performing halt release processing, the conveyance belt 65 becomes movable. By bill stowage move processing in the state "1" where it explained above, it moves and stops to the delivery position of the card vending machine 111 which the bill stowage 71 in the state "1" of reaching early most called. Thereby, the empty bill electrode holder 73 can be promptly conveyed in the card vending machine 111, and the preparations which receive the following bill 61 are made for a short time. Therefore, sale of the following prepaid card 45 can shorten time to become possible, and can improve customer satisfaction.

[0159] When processing of drawing 22 of S550 is performed, interruption startup processing of the card stowage move processing of the state "2" which shows in drawing 26 is carried out by the computer unit 301. Starting of card stowage move processing of a state "2" extracts the number (Y0-Y29) of the game base 5 called first (S1000). The case of the card stowage call signal in the state "2" where it was outputted from the game base 5 of Y15 "Y15] is extracted.

[0160] If the number (Y0-Y29) of the called game base 5 is extracted next, the state of next arriving at the position of the game base 5 will detect the card stowage of "2" (S1010). Next, the state of arriving at the position of the game base 5 (for example, Y15) performs the card stowage 67 of "2" based on the conveyance way state table 369, the game base position table 367, and the current position data table 365 by next detecting C0 - C10 card stowage 67 where the state of moving to Y15 is "2." For example, "C2" is detected when C2 card stowage 67 of "2" is located in the position of Y12 by the state.

[0161] The state performs the card stowage 67 of ″2″ to the next after a state's detecting the card stowage 67 of ″2″, and performs halt processing in the delivery position of the card vending machine 111 (S1020). In the delivery position of the game base 5, halt processing will be performed by stopping movement of the conveyance belt 65, if the card stowage 67 detected based on the game base position table 367 and the current position data table 365 arrives at the position of the game base 5.

[0162] As for the state where it stopped in the delivery position of the above-mentioned game base 5, halt release processing is performed after standby (S1030) until processing is completed (S1040). A judgment that processing was completed is made when S585 of drawing 22 or the call release signal outputted in S615 is received.

[0163] By performing halt release processing, the conveyance belt 65 becomes movable. By card stowage move processing in the state ″2″ where it explained above, it moves and stops to the delivery position of the card vending machine 111 which the card stowage 67 in the state ″2″ of reaching early most called. Thereby, conveyance of a prepaid card 45 is performed promptly. Therefore, sale of the following prepaid card 45 can shorten time to become possible, and can improve customer satisfaction.

[0164] The interruption startup of the card supplement processing shown in drawing 27 is carried out by the computer unit 301 every 5 seconds. Starting of card supplement processing performs processing which reads the quantity of the state ″2″ of the card stowage 67 from the conveyance way state table 369 first (S1100). Subsequently, the ratio of the quantity of the state ″2″ over the total of the card stowage 67 is computed (S1110), and the ratio judges less than 30% and whether (whether they to be three or less sets here) (S1120). This 30%, it can change suitably by design.

[0165] If a ratio is less than 30%, it will judge that it is necessary to fill up a prepaid card 45, and, next, prepaid card issue demand signal output processing will be performed (S1130). A prepaid card issue demand signal is outputted to the issue machine control unit 27 of the card issue machine 11. A prepaid card 45 is published and the conveyance belt 65 is made to convey by processing mentioned later in the issue machine control unit 27 which received this prepaid card issue demand signal.

[0166] Moreover, when a ratio is judged not to be less than 30% by S1120, a prepaid card issue demand signal is stopped (S1140). The processing to which the card issue machine 11 publishes a prepaid card 45, and makes the conveyance belt 65 newly convey by this is suspended.

[0167] By this card supplement processing, the amount of the prepaid card 45 currently conveyed on the conveyance belt 65 is held at a desired state, and excess and deficiency are lost. Therefore, increase of the issue costs of the prepaid card 45 by making a prepaid card 45 convey on the conveyance belt 65 excessively can be prevented, and it is prevented that the amount of conveyances of a prepaid card 45 becomes [too little], and shortage and delay arise in supply in the card vending machine 111.

[0168] Consequently, improvement in the reduction effect of an operating cost and the improvement effects of customer satisfaction can be attained together. By the issue machine control unit 27 of the card issue machine 11, whenever it inputs the prepaid card issue demand signal from S1130 of drawing 27 , interruption processing of the prepaid card issue processing to the conveyance belt of drawing 28 is carried out.

[0169] If the prepaid card issue processing to a conveyance belt is started, while card issue processing will perform first (S1210), a card stowage call of a state "1" is performed (S1220). Thereby, the card issue machine 11 publishes a prepaid card 45, and performs processing conveyed to the card conveyance mechanism 51. Moreover, the card stowage 67 of a state "1" is conveyed to the card move unit 39. If a card stowage call of a state "1" is performed, the card stowage move processing in the state "1" where it does not illustrate will be started by the computer unit 301, and the card stowage 67 of a nearby state "1" will be detected and moved.

[0170] Subsequently, if arrival of the called card stowage 67 is stood by and (S1230) arrived, a card holder 55 will be taken out from the card stowage 67, and processing which inserts a prepaid card 45 in the card holder 55 is performed (S1240). This processing is performed in the card conveyance mechanism 51 in which illustration of detailed structure is omitted, and the card move unit 39. After execution of processing inserted in a card holder 55, if the state 45 which can be conveyed, i.e., a prepaid card, actually completes insertion to a card holder 55, it judges whether it changed into the state which can be inserted in the card stowage 67 (S1250) and will be in the state which can be conveyed, next, card stowage call processing of a state "0" will be performed (S1260). By card stowage call processing of this state "0", card stowage move processing of the state "0" which shows in drawing 24 , and almost same processing are performed, and the card stowage 67 of a state "0" is conveyed to the card move unit 39.

[0171] If processing which will insert in the card stowage 67 of a state "0" the card holder 55 by which the prepaid card 45 was contained if arrival of the card stowage 67 of a state "0" is stood by and (S1270) arrived is performed (S1280) and insertion is completed (S1290), a card stowage number and a status out put will be performed (S1300). If a card stowage number and a status out put are performed, the number (C0-C10) of the card stowage 67 and the signal which shows that a prepaid card 45 is existence will be transmitted to the computer unit 301, and the data 377 of the conveyance way state table 369 will be updated. That is, it changes into a state "2" the data 377 of the card stowage 67 where the prepaid card 45 was inserted.

[0172] The card issue machine 11 can publish a prepaid card 45 on real time according to the issue demand of a prepaid card 45 to the conveyance belt 65, and can make the conveyance belt 65 convey by prepaid card issue processing to the conveyance belt explained above. Therefore, the control which maintains the amount of the prepaid card 45 which the conveyance belt 65 conveys in the always suitable state is attained.

[0173] Interruption startup processing of the bill recovery processing of drawing 29 is carried out by the computer unit 301 for every 16m second. Starting of bill recovery processing detects the bill stowage 71 of a state "2" from the conveyance way state table 369 first (S1400). Subsequently, processing which stops the bill stowage 71 in the delivery position of the bill storing safe 13 is performed (S1410). In the processing which stops this bill stowage 71 in the delivery position of the bill storing safe 13, when the bill stowage 71 in the state "2" where it detected delivers and a position is arrived at, processing which stops movement of the conveyance belt 65 is performed.

[0174] It judges whether it is the completion of recovery after the processing suspended in the above-mentioned delivery position (S1420), and if it is the completion of recovery, and halt release processing is performed (S1430) and recovery is not completed, an unusual signal output will be performed (S1440). The processing which inserts in the original bill stowage 71 the bill electrode holder 73 which extracted the bill electrode holder 73 from the processing 71 performed by the procedure defined beforehand, i.e., a bill stowage, subsequently sampled the bill 61 from the bill electrode holder 73, and became empty the back by the bill move unit 69 advances as a procedure, and judgment of the completion of recovery is judged by whether it completed. (S1430) and the conveyance belt 65 become movable by halt release processing. Information which tells whether failure has occurred to (S1440) and the bill move unit 69 by unusual signal output processing or a certain failure has occurred in control of the computer unit 301 can be performed.

[0175] It becomes possible to contain the bill 61 collected from the card vending machine 111 in the bill storing safe 13 by bill recovery processing in which it explained above. And since [to which the bill stowage 71 of the conveyance belt 65 reaches the bill storing safe 13] it waits a thing and takes out one after another, only in order to contain a bill 61 in the bill storing safe 13, the conveyance belt 65 cannot be driven and saving-resources nature can be improved.

[0176] For every 16m second, the maintenance processing shown in drawing 30 interrupts, and is started by the computer unit 301. Starting of this maintenance processing performs issue amount-of-money calculation (from time of opening) processing of a prepaid card first (S1500). The issue amount of money of a prepaid card is performed by inputting the total value of the issue amount of money from the time of opening from the card issue amount-of-money data table 383 of drawing 16 .

[0177] Subsequently, recovery frame calculation (from time of opening) processing is performed (S1510). A recovery frame is performed by inputting the total value of the recovery frame from the time of opening from the recovery frame data table 381. Difference calculation processing is performed after calculation of both the above-mentioned amount of money (S1520), the difference judges whether it is more than the predetermined amount of money (S1530), and an unusual signal will be outputted if it is more than the predetermined amount of money (S1540). About the predetermined amount of money, an amusement center is actually operated, the range of the difference in case business is done appropriately is searched for, and it is set as the predetermined amount of money. In addition, a ratio is computed by changing into calculation of the difference, and if a ratio exceeds the predetermined range, you may make it output an unusual signal.

[0178] Next, correspondence with the composition of a claim and the gestalt of implementation of invention is explained.

A claim 1 game machine the game base 5 and a conveyed medium A prepaid card 45, and a bill 61 and a conveyance means The conveyance belts 65 and 1065 and a game engine run device The card vending machine 111, the card issue machine 11, the bill storing safe 13, and a conveyed medium move means As for the electrode-holder move mechanism 131, the bill unit 133, the card unit 135, the card move unit 39, the bill move unit 69, and an entrance, a card-return assembly 109 corresponds, and, as for a path, in card ****** 117 and a recovery medium, a prepaid card 45 corresponds, respectively.

[0179] As for the claim 2 move section, the fall section 88 corresponds, and, as for a storage shed, the recovery card storage shed 15 corresponds.

As for the claim 3 fall section, the fall section 88 corresponds, and, as for a storage shed, the recovery card storage shed 15 corresponds.

[0180] As for a claim 4 endless-like conveyer, the conveyance belts 65 and 1065 correspond.

As for a claim 5 card-like recovery medium, a prepaid card 45 corresponds.

[0181] As for the shape of a bill 61 and a card, in claim 6 bill, a prepaid card 45 corresponds.

As for claim 7 attaching part, the receipt holes 335 and 343 correspond, and, as for card holders 55 and 1055, the bill electrode holders 73 and 1073, and an electrode-holder machine move means, in a electrode holder, the card unit 135 and the bill move unit 69 correspond [the electrode-holder move mechanism 131 the bill move unit 69, and a medium extraction means].

[0182] As for a claim 8 medium installation means, the bill unit 133 and the card move unit 39 correspond.

As for a claim 9 electrode-holder move means, the electrode-holder move mechanism 131, the card unit 135, the card move unit 39, the bill unit 133, and the bill move unit 69 correspond.

[0183] As for a prepaid card 45 and the conveyed medium of the 2nd configuration, in the conveyed medium of the claim 10 1st configuration, a bill 61 corresponds.

As for the card stowages 67, 1067, and 2067 and the 2nd conveyance section, in the claim 11 1st conveyance section, the bill stowages 71, 1071, and 2071 correspond.

[0184] As for the card move unit 39, the electrode-holder move mechanism 131 and the card unit 135, and the 2nd medium move means, in the claim 12 1st medium

move means, the bill move unit 69, and the electrode-holder move mechanism 131 and the bill unit 133 correspond.
[0185] As for a conveyed [claim 13] medium preparation means, the card issue machine 11 corresponds.

[Translation done.]

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2.**** shows the word which can not be translated.
3.In the drawings, any words are not translated.

DESCRIPTION OF DRAWINGS

[Brief Description of the Drawings]
[Drawing 1] It is the general drawing of the game island 3 in which the card selling system 1 of this invention was installed.
[Drawing 2] It is the front view of the game base 5 attached in the game island 3.
[Drawing 3] It is the plan of the card selling system 1 around the game base 5.
[Drawing 4] It is explanatory drawing of the conveyance path of the card selling system 1.
[Drawing 5] It is the block diagram of the control system of the card selling system 1.
[Drawing 6] It is the block diagram of the card issue machine 11.
[Drawing 7] It is explanatory drawing of the side of the card vending machine 111.
[Drawing 8] It is the plan of the card vending machine 111.
[Drawing 9] It is explanatory drawing of operation of the card vending machine 111.
[Drawing 10] It is the cross section of the card vending machine 111.
[Drawing 11] It is the block diagram of the outline composition of the card vending machine 111.
[Drawing 12] They are some plans of the conveyance belt 65.
[Drawing 13] It is card holder 55 explanatory drawing.
[Drawing 14] It is explanatory drawing of the stowage code 321 and the position mark 323.
[Drawing 15] It is the flow chart of a current position detection manipulation routine.
[Drawing 16] It is explanatory drawing of the data table stored in external storage

303.
[Drawing 17] It is explanatory drawing of the game base position table 367.
[Drawing 18] It is explanatory drawing of the conveyance way state table 369.
[Drawing 19] It is the flow chart of a lamp lighting manipulation routine during sale.
[Drawing 20] It is the flow chart of a bill manipulation routine.
[Drawing 21] It is the flow chart of a bill manipulation routine.
[Drawing 22] It is the flow chart of a bill manipulation routine.
[Drawing 23] It is the flow chart of the bill stowage move manipulation routine of a state "0."
[Drawing 24] It is the flow chart of the card stowage move manipulation routine of a state "0."
[Drawing 25] It is the flow chart of the bill stowage move manipulation routine of a state "1."
[Drawing 26] It is the flow chart of the card stowage move manipulation routine of a state "2."
[Drawing 27] It is the flow chart of a card supplement manipulation routine.
[Drawing 28] It is the flow chart of the issue manipulation routine of the prepaid card to a conveyance belt.
[Drawing 29] It is the flow chart of a bill recovery manipulation routine.
[Drawing 30] It is the flow chart of a maintenance manipulation routine.
[Description of Notations]
1 [-- A game base, 7 / -- Card supply unit,] -- A card selling system, 3 -- A game island, 5 9 -- game sphere -- counting -- a unit, 11 -- card issue machine, and 13 -- bill storing safe -- 15 [-- Input/output interface,] -- A recovery card storage shed, 21 -- A microcomputer unit, 23 25 [-- Issue machine control unit,] -- An output interface, 26 -- A communication interface, 27 31 [-- Card stocker,] -- A card selection unit, 33 -- An issue record storage unit, 35 37 [-- Cash acceptance unit,] -- A card generation unit, 39 -- A card move unit, 41 43 [-- Button switch,] -- A blank card, 45 -- A prepaid card, 47 49 [-- Card conveyance mechanism,] -- A card conveyance mechanism, 51 -- A card conveyance mechanism, 53 55 1055 [-- Cash input port,] -- A card holder, 57 -- A card exhaust port, 59 61 [-- Flanks 65 and 1065 / -- Conveyance belt,] -- A bill, 63 -- A bill path, 1065A, 1065B 67, 1067, 2067 -- A card stowage, 69 -- Bill move unit, 71, 1071, 2071 -- 73 A bill stowage, 1073 -- Bill electrode holder, 75 -- A microcomputer unit, 77 -- Input interface, 79 [-- Safe control unit,] -- An output interface, 81 -- A communication interface, 83 85, 87, 89 [-- Recovery card receipt way,] -- A drive pulley, 88 -- The fall section, 90 91 [-- A large roller, 97 / -- Drive motor,] -- A smallness roller, 93 -- An inside roller, 95 101 [-- A check trim board 107 / -- Calling-indicator unit,] -- A counter, 103 -- An up trim board, 105 109 [-- Call button,] -- A card-return assembly, 111 -- A card vending machine, 113 115 [-- Card ******,] -- A hole management computer, 116 -- Input port, 117 121 [-- Working display lamp,] -- Bill input port, 123 -- A card send mouth, 125 127 [--

Electrode-holder move mechanism,] -- It is a lamp and 129 during sale. -- A card piece lamp, 131 133 [-- Vending machine control unit,] -- A bill unit, 135 -- A card unit, 137 141 [-- Frame member,] -- An elevator style, 143 -- A electrode-holder grasping mechanism, 145 147 [-- A driving-side elevator style, 153 / -- Non-driving-side elevator style,] -- An elevator style, 149 -- A rolling mechanism, 151 155 [Ball screw,] -- A step motor, 157 -- A worm and 159 161 [-- A ball screw, 167 / -- Pulley,] -- A pulley, 163 -- A worm, 165 169 -- a cocked belt, a 171 -- step motor, and 173 -- reducer style 175 [-- A sliding grasping mechanism, 181 / -- Sliding drive,] -- A hanging member, 177 -- A main part, 179 183 [-- Ball screw,] -- A step motor, 185 -- A worm, 187 189 [-- A grasping member, 195 / -- Sliding main part,] -- A connection member, 191 -- A slit, 193 197 -- an actuator, a 199 -- hauling spring, and 201 -- attachment component 203 [-- An intersection, 209 / -- Shank material,] -- A end face, 205 -- An operation edge, 207 211 [-- A bill electrode-holder insertion mouth, 217 / -- Electrode-holder attaching part,] -- Opening, 213 -- The deepest section, 215 217A [-- Bill delivery mechanism,] -- A electrode-holder attaching part, 217 -- A electrode-holder attaching part, 219 221 [-- Frame move mechanism,] -- A movable frame member, 223 -- A fixed frame member, 225 227 [-- A worm, 233 / -- Ball screw,] -- A rolling mechanism, 229 -- A step motor, 231 235 [-- Card holder insertion mouth,] -- A bill input port unit, 237 -- A true tag output, 239 241 [-- Movable frame member,] -- A electrode-holder attaching part, 243 -- A card feed device, 245 247 [-- Rolling mechanism,] -- A fixed frame member, 249 -- A frame move mechanism, 251 253 [-- Ball screw,] -- A step motor, 255 -- A worm, 257 259 -- A card send mouth unit, 261 -- Microcomputer unit, 263 [-- Communication interface,] -- An input/output interface, 265 -- An output interface, 267 269 [-- Card ** buzzer,] -- A card sensor, 271 -- An insertion sensor, 273 275 [-- External storage,] -- A card sensor, 301 -- A computer unit, 303 305 [-- Stowage position sensor,] -- A stowage code reader, 307 -- A stowage position sensor, 309 311 [-- Stowage code,] -- A stowage position sensor, 313 -- A drive control unit, 321 323 [-- An insertion mouth, 329 / -- Notch,] -- A position mark, 325 -- An insertion mouth, 327 331 [-- A receipt hole, 337 / -- Insertion mouth,] -- A flange, 333 -- A cone-like part, 335 339 [-- A receipt hole, 345 / -- Flange,] -- A card move slit, 341 -- An insertion mouth, 343 347 [-- Current position data,] -- A cone-like part, 349 -- A bill move slit, 351 353 [-- Data, 361 / -- Position,] -- Data, 355 -- Data, 357 363 [-- Game base position table,] -- A position, 365 -- A current position data table, 367 369 [-- Data, 375 / -- Data,] -- A conveyance way state table, 371 -- Data, 373 377 [-- Recovery frame data table,] -- Data, 379 -- A card bill position data table, 381 383 -- A card issue amount-of-money data table, 385 -- Card-number-electrode-holder number correspondence data table, B [-- A code, C0 / -- Stowage code,] -- A code, B0 -- A stowage code, C GKS [-- Stowage code signal,] -- An amount-of-money signal, HSS -- A electrode-holder receipt signal, IDS information separator [-- A position signal, KHS / -- Card eccrisis signal,]1 --

A position signal, information separator2 -- A position signal, information separator3 KKS [-- Card generation signal,] -- A card supply signal, KOS -- A card feed signal, KSS KTS [-- Level, LC / -- Holding level,] -- A card-set signal, LA -- Holding level, LB LD-- holding level, RS-- reset-signal, and SS-- a manipulate signal, TS-- signal, a Y0 -- code, and YA-- an arrow, YB-- arrow, YC-- arrow, and YD-- an arrow, a YDS-- call signal, YE-- arrow, and YF-- an arrow, YG-- arrow, YH-- arrow, and YI-- an arrow, YJ-- arrow, and YK-- arrow

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[Translation done.]

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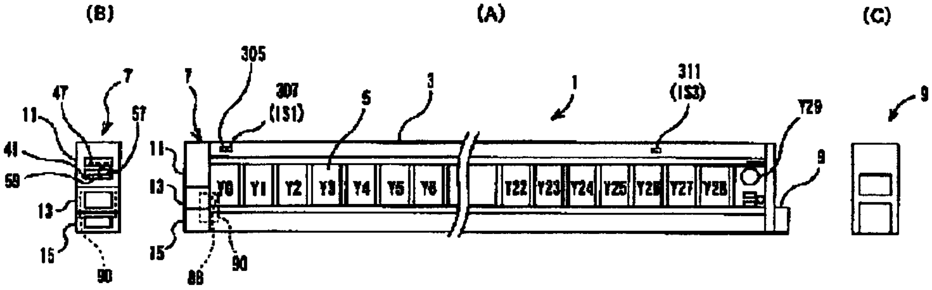
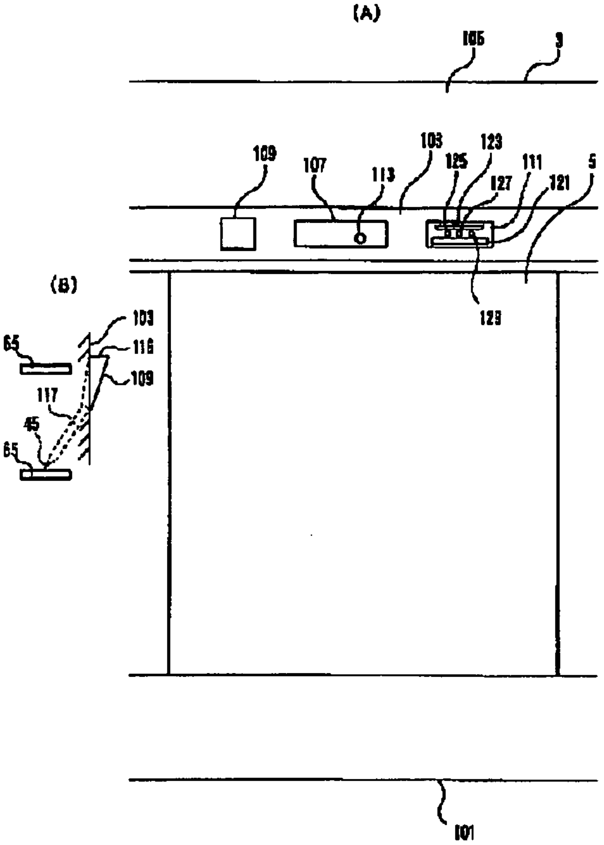
DRAWINGS

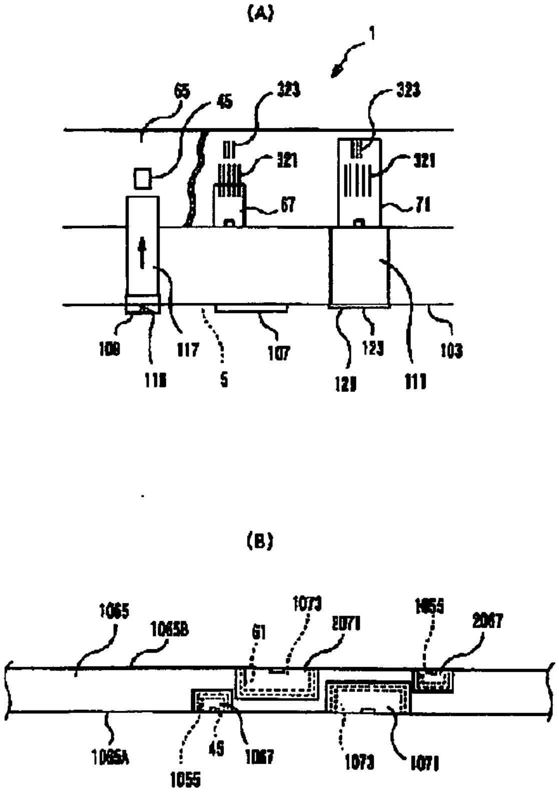
[Drawing 1]


(B)
(A)
(C)
7
47
11
57
41
59
13
15
90
7
305
307
(IS1)
5
3
1
311
(IS3)
Y29
9
9
11
13
15
88
90
Y0
Y1
Y2
Y3
Y4
Y5
Y6
Y22
Y23
Y24
Y25
Y26
Y27
Y28

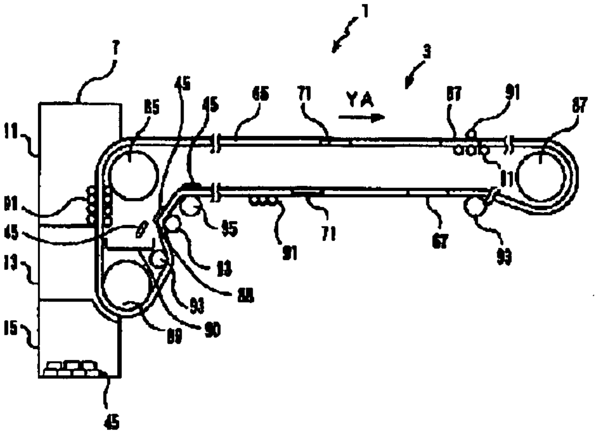
[Drawing 2]


(A)
(B)

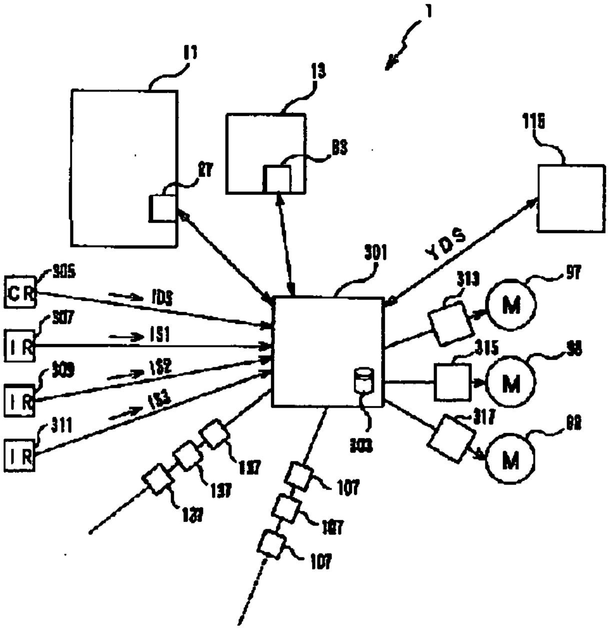
[Drawing 3]


(A)
(B)
2071
2067

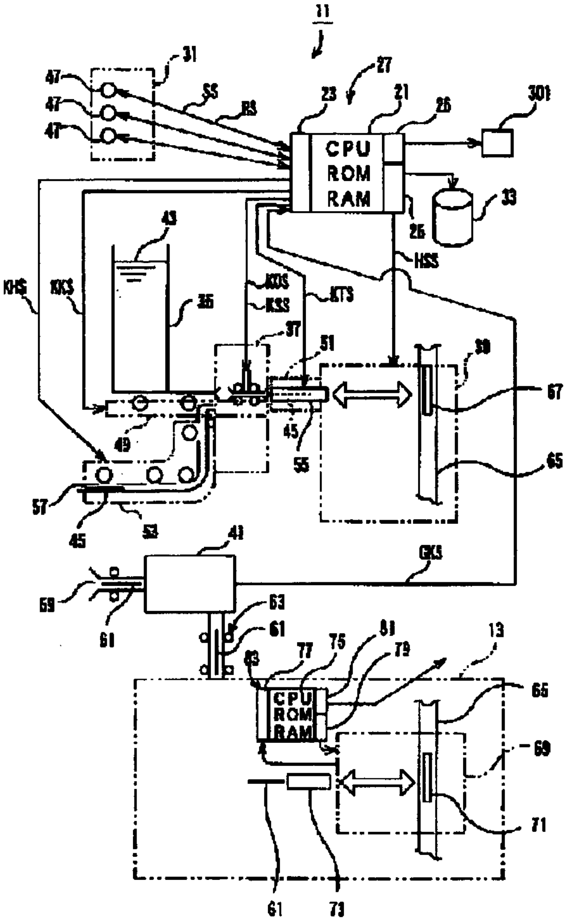
[Drawing 4]


1
3
7
45
45
65
71
YA
87
91
87
11
85
91
45
13
15
95
93
88
93
90
89
91
71
67
93
11
45

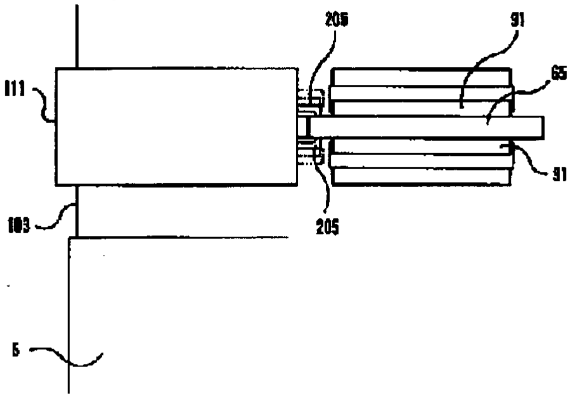
[Drawing 5]


1
11
13
27
83
115
YDS
301
305
CR
IDS
307
IR
IS1
309
IR
IS2
311
IR
IS3
313
M
97
315
M
98
317
M
99
303
137
137
137
107
107
107

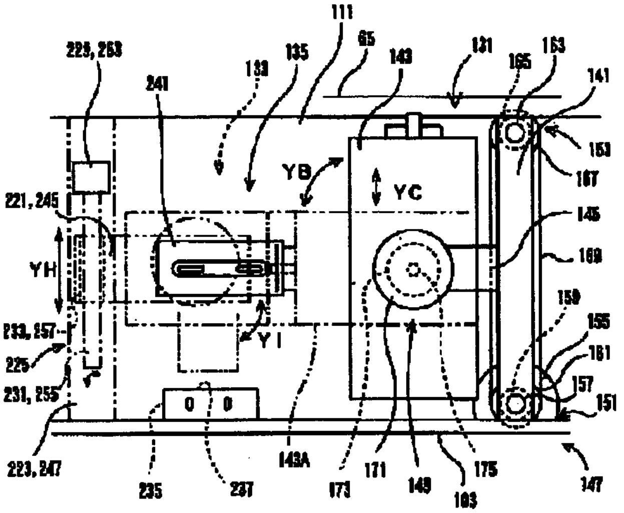
[Drawing 6]


11
31
47
47
47
SS
RS
27
23
21
26
301
CPU
ROM
RAM
25
33
HSS
43
KHS
KKS
KOS
KSS
KTS
35
37
51
39
67
49
45
55
65
57
45
53
41
GKS
59
61
63
61
83
77
75
81
79
13
66
69
71
61
73

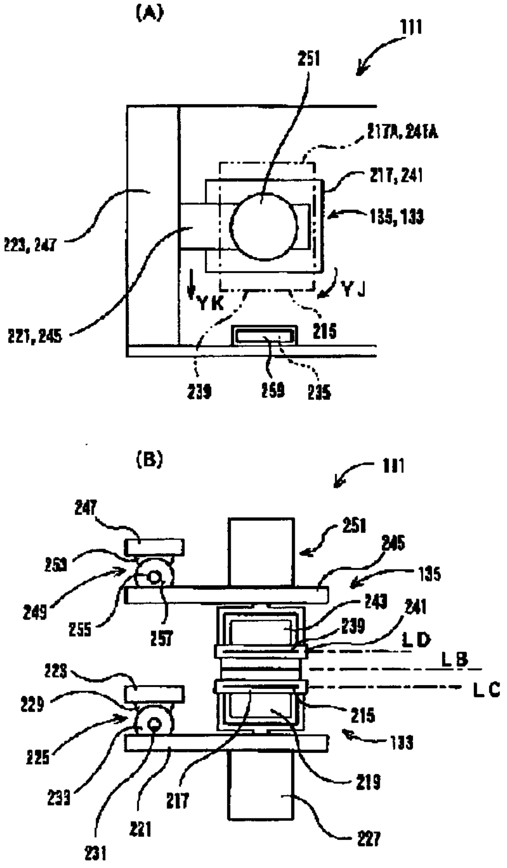
[Drawing 7]


206
91
111
65
91
103
205
5

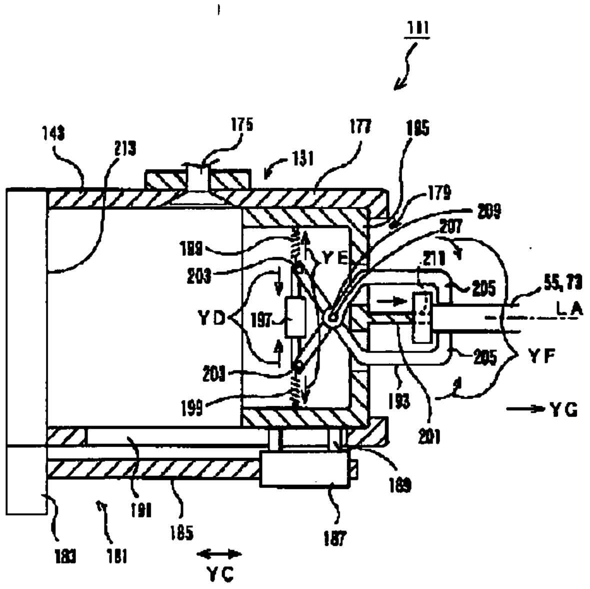
[Drawing 8]


111
223,263
135
133
65
143
131
165
163
141
241
153
YB
YC
167
221,245
145
169
YH
159
155
233,257
YI
161
225
157
231,255
151
223,247
235
237
143A
173
171
149
103
175
147

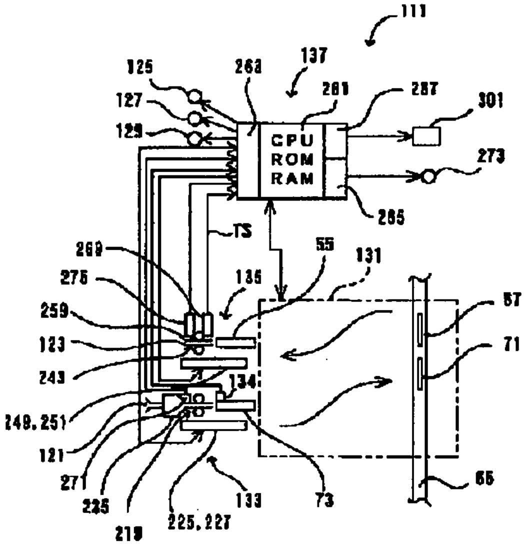
[Drawing 9]


(A)
111
251
217A,241A
217,241
135,133
223,247
221,245
YK
YJ
215
239
259
235
(B)
111
247
251
245
135
253
249
255
257
243
241
239
LD
LB
LC
223
229
215
133
225
233
217
219
221
231
227

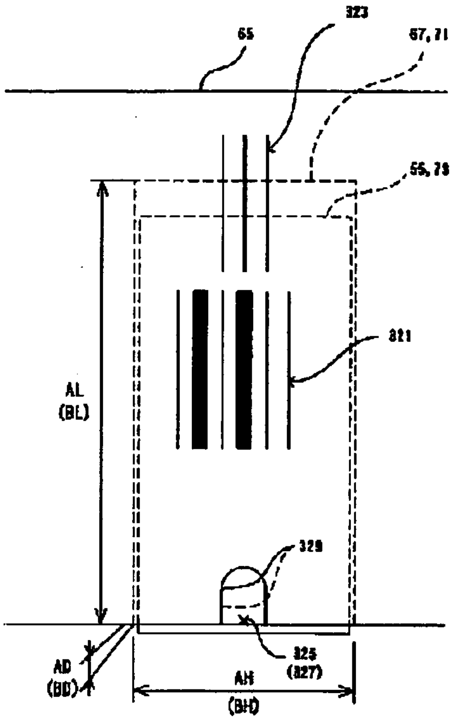
[Drawing 10]


111
143
213
175
131
177
195
179
209
207
199
211
205
55,73
LA
203
YE
YD
197
203
205
YF
199
193
201
YG
189
191
185
187
183
181
YC

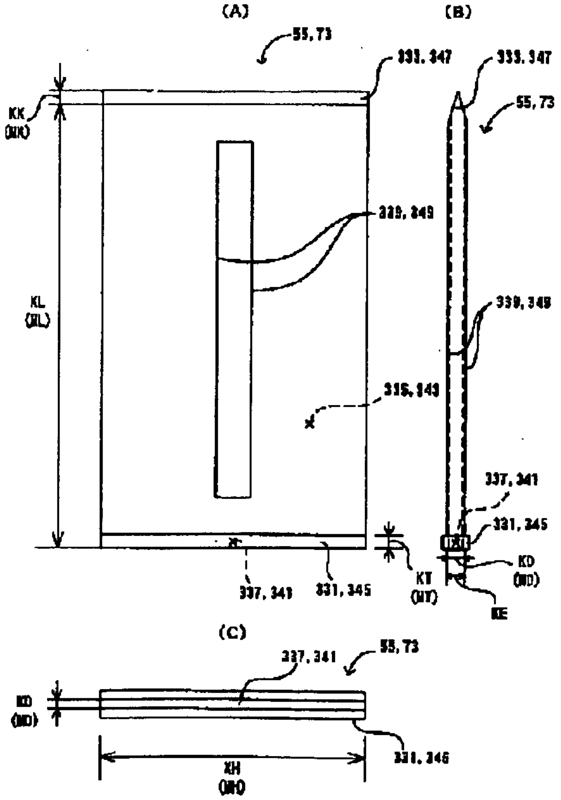
[Drawing 11]


111
125
263
137
261
267
301
127
129
CPU
ROM
RAM
273
265
TS
269
275
55
131
135
259
57
123
71
243
134
249,251
121
271
235
219
225,227
133
73
65

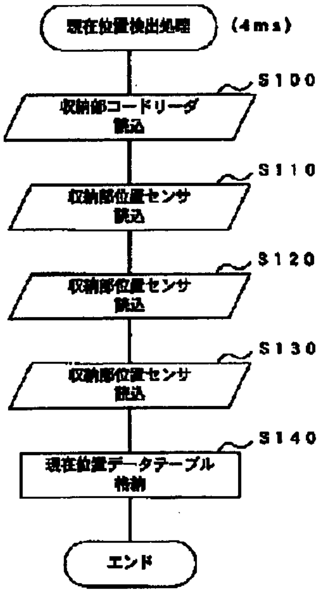
[Drawing 12]


323
65
67, 71
55, 73
321
AL
(BL)
329
AD
(BD)
AH
(BH)
325
(327)

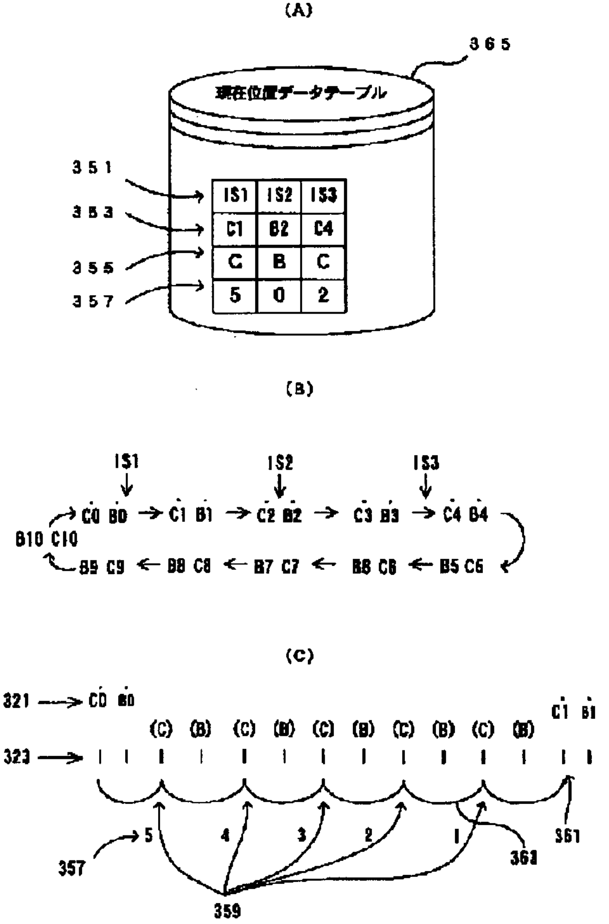
[Drawing 13]


(A)
(B)
55, 73
333, 347
333, 347
55, 73
KK
(WK)
339, 349
339, 349
KL
(WL)
335, 343
337, 341
331, 345
337, 341
331, 345
KT
(WT)
KD
(WD)
KE
(C)
337, 341
55, 73
KD
(WD)
331, 345
XH
(WH)

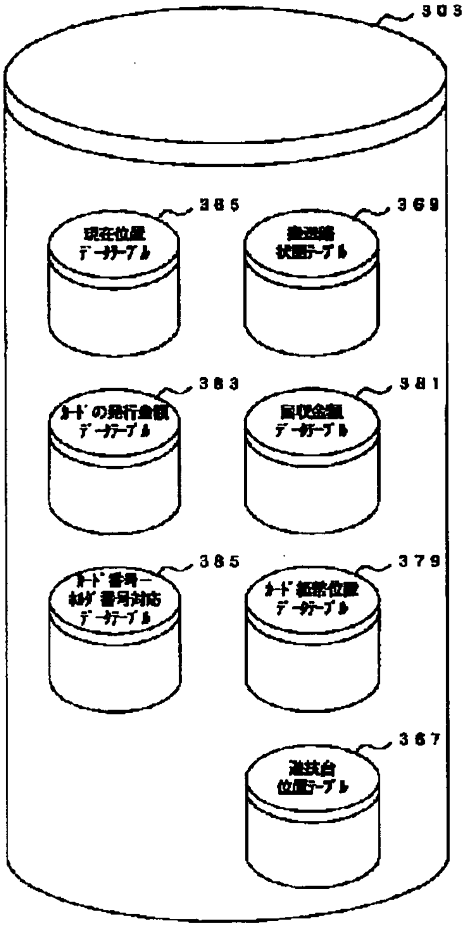
[Drawing 15]


現在位置検出処理
（4ms）
S100
収納部コードリーダ
読込
S110
収納部位置センサ
読込
S120
収納部位置センサ
読込
S130
収納部位置センサ
読込
S140
現在位置データテーブル
格納
エンド

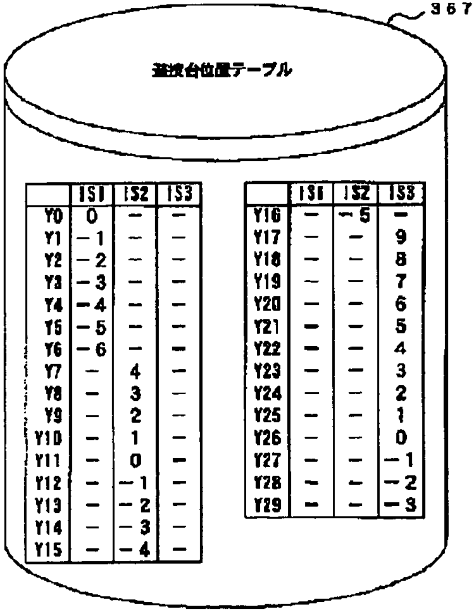
[Drawing 14]


(A)
365
現在位置データテーブル
351
353
355
357
IS1
IS2
IS3
C1
B2
C4
C
B
C
5
0
2
(B)
IS1
IS2
IS3
C0 B0
C1 B1
C2 B2
C3 B3
C4 B4
B10 C10
B9 C9
B8 C8
B7 C7
B6 C6
B5 C6
(C)
321
C0 B0
(C) (B) (C) (B) (C) (B) (C) (B) (C) (B)
C1 B1
323
5
4
3
2
1
357
359
361
363

[Drawing 16]

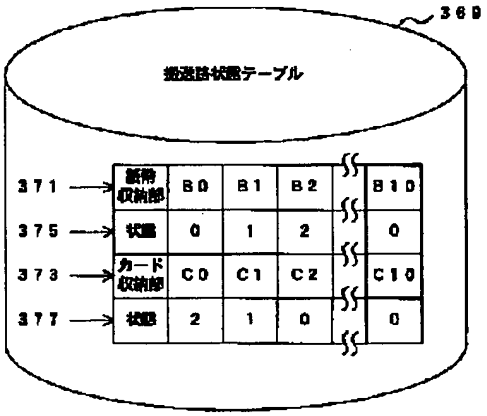

303
385
現在位置データテーブル
369
搬送路状態テーブル
383
カードの発行金額データテーブル
381
回収金額データテーブル
385
カード番号−ホルダ番号対応データテーブル
379
カード[illegible]位置データテーブル
367
遊技台位置テーブル

[Drawing 17]


367
遊技台位置テーブル

	IS1	IS2	IS3
Y0	0	−	−
Y1	−1	−	−
Y2	−2	−	−
Y3	−3	−	−
Y4	−4	−	−
Y5	−5	−	−
Y6	−6	−	−
Y7	−	4	−
Y8	−	3	−
Y9	−	2	−
Y10	−	1	−
Y11	−	0	−
Y12	−	−1	−
Y13	−	−2	−
Y14	−	−3	−
Y15	−	−4	−
Y16	−	−5	−
Y17	−	−	9
Y18	−	−	8
Y19	−	−	7
Y20	−	−	6
Y21	−	−	5
Y22	−	−	4
Y23	−	−	3
Y24	−	−	2
Y25	−	−	1
Y26	−	−	0
Y27	−	−	−1
Y28	−	−	−2
Y29	−	−	−3

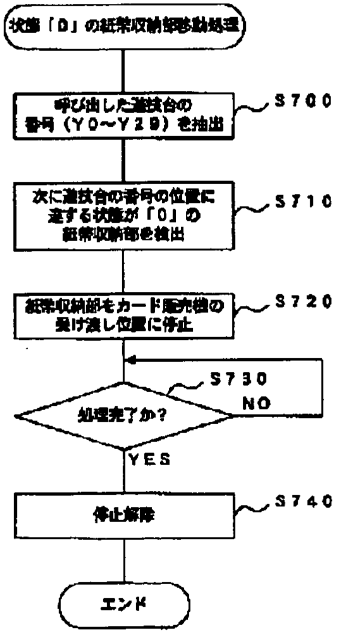
[Drawing 18]


369
搬送路状態テーブル
371
375
373
377

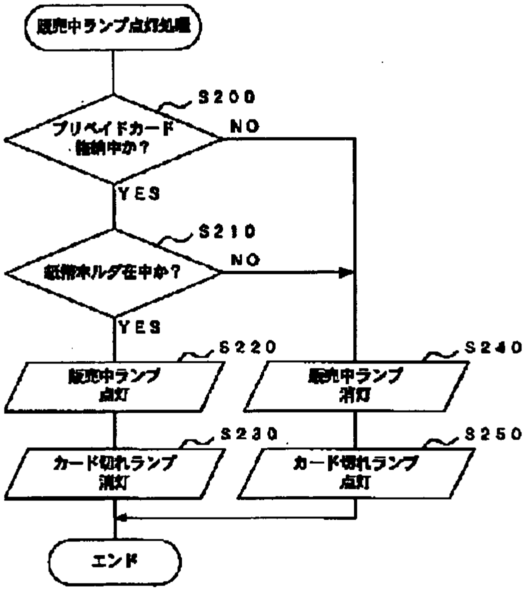
紙幣収納部	B0	B1	B2		B10
状態	0	1	2		0
カード収納部	C0	C1	C2		C10
状態	2	1	0		0

状態 0…空
1…カードホルダ、紙幣ホルダのみ
2…プリペイドカード、紙幣在中

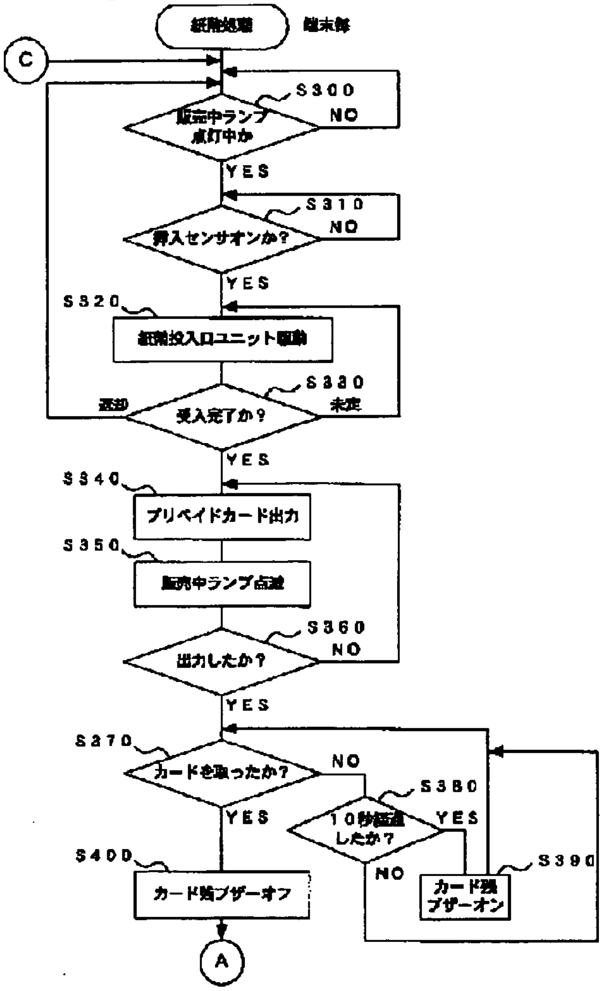
[Drawing 23]


状態「0」の紙幣収納部移動処理
呼び出した遊技台の番号（Y0～Y29）を抽出
S700
次に遊技台の番号の位置に達する状態が「0」の紙幣収納部を検出
S710
紙幣収納部をカード販売機の受け渡し位置に停止
S720
S730
NO
処理完了か？
YES
停止解除
S740
エンド

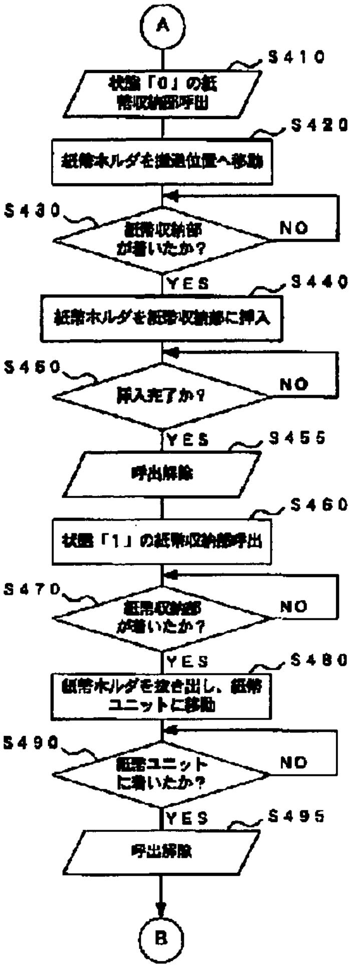
[Drawing 19]


販売中ランプ点灯処理
S200
プリペイドカード格納中か？
NO
YES
S210
紙幣ホルダ在中か？
NO
YES
S220
販売中ランプ点灯
S240
販売中ランプ消灯
S230
カード切れランプ消灯
S250
カード切れランプ点灯
エンド

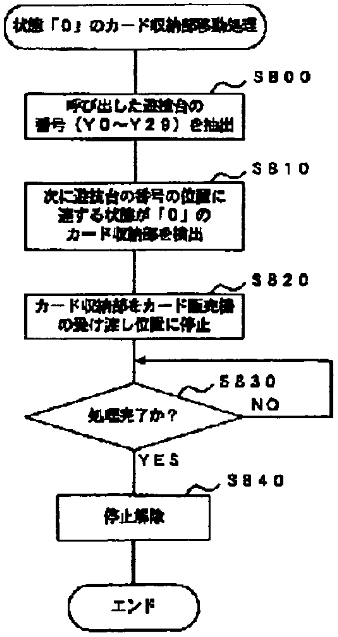
[Drawing 20]


紙幣処理
端末部
C
S300
販売中ランプ点灯中か
NO
YES
S310
挿入センサオンか？
NO
YES
S320
紙幣投入口ユニット駆動
S330
返却
受入完了か？
未定
YES
S340
プリペイドカード出力
S350
販売中ランプ点滅
S360
出力したか？
NO
YES
S370
カードを取ったか？
NO
YES
S380
10秒経過したか？
YES
NO
S390
カード残ブザーオン
S400
カード残ブザーオフ
A

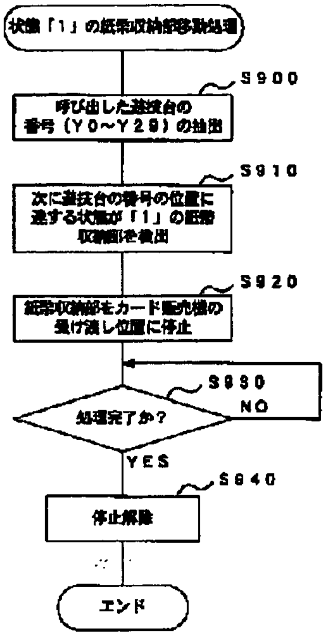
[Drawing 21]


A
S410
状態「0」の紙幣収納部呼出
S420
紙幣ホルダを搬送位置へ移動
S430
紙幣収納部が着いたか？
NO
YES
S440
紙幣ホルダを紙幣収納部に挿入
S450
挿入完了か？
NO
YES
S455
呼出解除
S460
状態「1」の紙幣収納部呼出
S470
紙幣収納部が着いたか？
NO
YES
S480
紙幣ホルダを抜き出し、紙幣ユニットに移動
S490
紙幣ユニットに着いたか？
NO
YES
S495
呼出解除
B

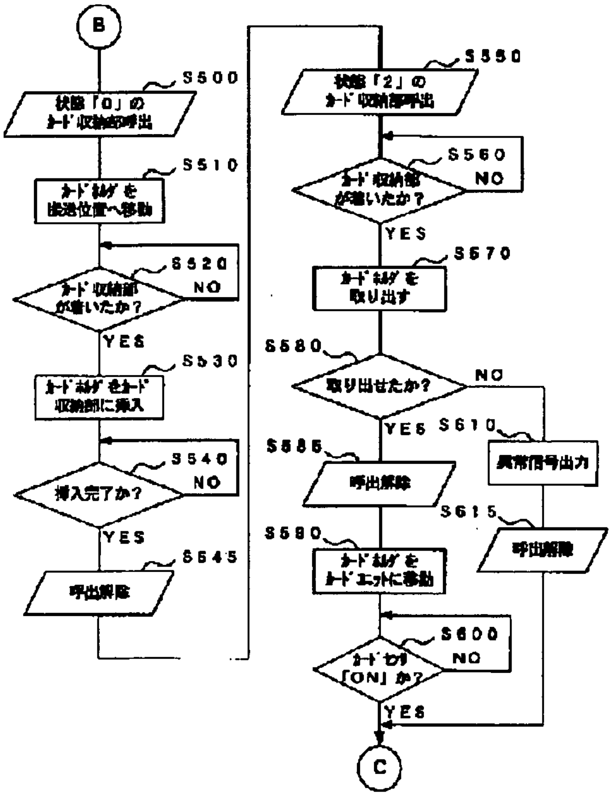
[Drawing 24]


状態「0」のカード収納部移動処理
S800
呼び出した遊技台の番号（Y0～Y29）を抽出
S810
次に遊技台の番号の位置に達する状態が「0」のカード収納部を検出
S820
カード収納部をカード販売機の受け渡し位置に停止
S830
NO
処理完了か？
YES
S840
停止解除
エンド

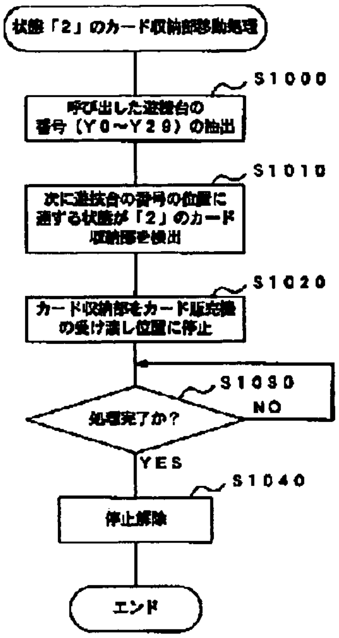
[Drawing 25]


状態「1」の紙幣収納部移動処理
S900
呼び出した遊技台の番号（Y0～Y29）の抽出
S910
次に遊技台の番号の位置に達する状態が「1」の紙幣収納部を検出
S920
紙幣収納部をカード販売機の受け渡し位置に停止
S930
NO
処理完了か？
YES
S940
停止解除
エンド

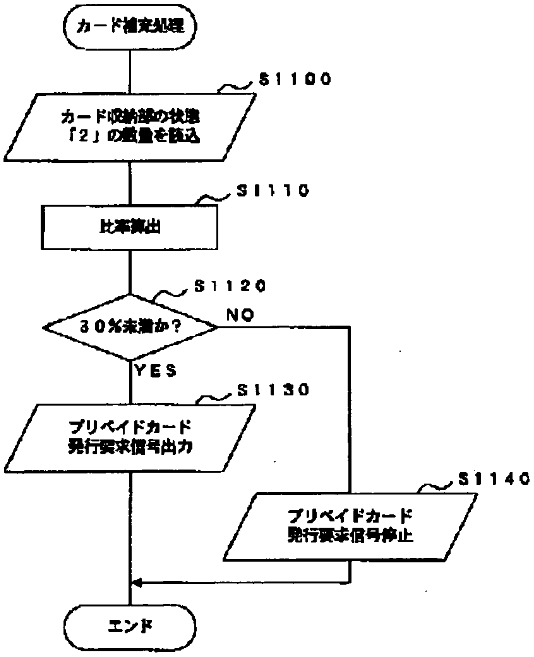
[Drawing 22]


B
S500
状態「0」のｶｰﾄﾞ収納部呼出
S510
ｶｰﾄﾞﾎﾙﾀﾞを搬送位置へ移動
S520
NO
ｶｰﾄﾞ収納部が着いたか？
YES
S530
ｶｰﾄﾞﾎﾙﾀﾞをｶｰﾄﾞ収納部に挿入
S540
NO
挿入完了か？
YES
S545
呼出解除
S550
状態「2」のｶｰﾄﾞ収納部呼出
S560
NO
ｶｰﾄﾞ収納部が着いたか？
YES
S570
ｶｰﾄﾞﾎﾙﾀﾞを取り出す
S580
取り出せたか？
NO
YES
S610
異常信号出力
S585
呼出解除
S615
呼出解除
S590
ｶｰﾄﾞﾎﾙﾀﾞをｶｰﾄﾞﾕﾆｯﾄに移動
S600
NO
ｶｰﾄﾞｾﾝｻ「ON」か？
YES
C

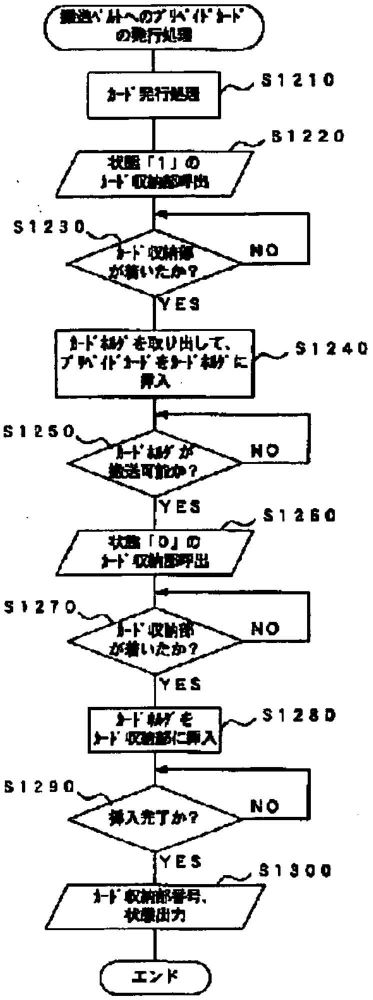
[Drawing 26]


状態「2」のカード収納部移動処理
S1000
呼び出した遊技台の番号（Y0～Y29）の抽出
S1010
次に遊技台の番号の位置に達する状態が「2」のカード収納部を検出
S1020
カード収納部をカード販売機の受け渡し位置に停止
S1030
処理完了か？
NO
YES
S1040
停止解除
エンド

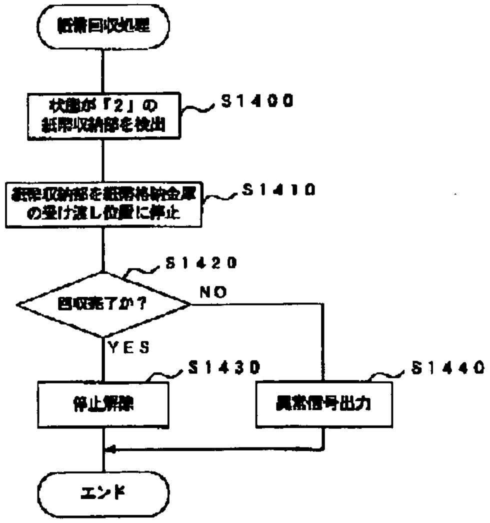
[Drawing 27]


カード補充処理
S1100
カード収納部の状態「2」の数量を読込
S1110
比率算出
S1120
30%未満か？
NO
YES
S1130
プリペイドカード発行要求信号出力
S1140
プリペイドカード発行要求信号停止
エンド

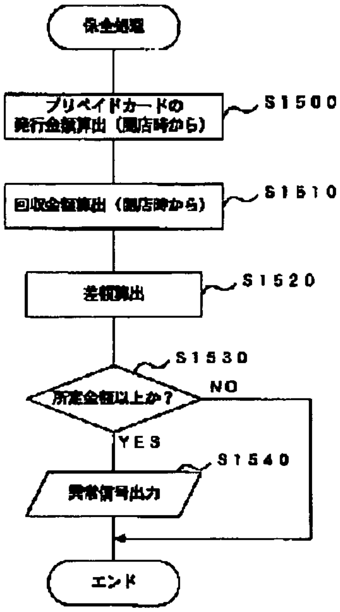
[Drawing 28]


搬送ﾍﾞﾙﾄへのﾌﾟﾘﾍﾟｲﾄﾞｶｰﾄﾞの発行処理
ｶｰﾄﾞ発行処理
S1210
状態「1」のｶｰﾄﾞ収納部呼出
S1220
S1230
ｶｰﾄﾞ収納部が着いたか？
NO
YES
ｶｰﾄﾞﾎﾙﾀﾞを取り出して、ﾌﾟﾘﾍﾟｲﾄﾞｶｰﾄﾞをｶｰﾄﾞﾎﾙﾀﾞに挿入
S1240
S1250
ｶｰﾄﾞﾎﾙﾀﾞが搬送可能か？
NO
YES
状態「0」のｶｰﾄﾞ収納部呼出
S1260
S1270
ｶｰﾄﾞ収納部が着いたか？
NO
YES
ｶｰﾄﾞﾎﾙﾀﾞをｶｰﾄﾞ収納部に挿入
S1280
S1290
挿入完了か？
NO
YES
ｶｰﾄﾞ収納部番号、状態出力
S1300
エンド

[Drawing 29]


紙幣回収処理
状態が「2」の紙幣収納部を検出
S1400
紙幣収納部を紙幣格納金庫の受け渡し位置に停止
S1410
S1420
回収完了か？
NO
YES
停止解除
S1430
異常信号出力
S1440
エンド

[Drawing 30]


保全処理
プリペイドカードの発行金額算出（開店時から）
S1500
回収金額算出（開店時から）
S1510
差額算出
S1520
S1530
所定金額以上か？
NO
YES
S1540
異常信号出力
エンド

[Translation done.]